

GENERAL NOTES

GENERAL:

- COORDINATE MECHANICAL WORK WITH ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL AND LANDSCAPE WORK SHOWN ON OTHER CONTRACT DOCUMENTS. PROVIDE ADDITIONAL OFFSETS FOR COORDINATED INSTALLATION WHERE REQUIRED.
- COORDINATE HVAC, PLUMBING AND FIRE PROTECTION WORK PRIOR TO INSTALLATION. DUCTWORK AND EQUIPMENT ACCESS TAKES PRECEDENCE OVER PIPING FOR AVAILABLE SPACE.
- WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- COORDINATE EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
- PROVIDE MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION OF MECHANICAL SYSTEMS.
- LOCATE VALVES, WATER HAMMER ARRESTERS, CLEANOUTS, DAMPERS, CONTROLS AND SIMILAR COMPONENTS SO THAT THEY ARE ACCESSIBLE. PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT INSTALLED BEHIND WALLS, ABOVE INACCESSIBLE CEILINGS AND BELOW FLOORS. COORDINATE ACCESS DOOR LOCATIONS WITH ARCHITECT/ENGINEER. INSTALL TAG ON CEILING GRID FRAME TO INDICATE LOCATION AND TYPE OF EQUIPMENT THAT REQUIRES MAINTENANCE. PROVIDE 16 GA. STEEL, FLUSH TYPE ACCESS DOOR WITH CONCEALED HINGE AND SLOT SCREWDRIVER TYPE CAM LATCH. PROVIDE FACTORY PRIMED IN PAINTED SURFACE AREAS FOR FIELD PAINTING. PROVIDE STAINLESS STEEL FOR ALL OTHER AREAS. PROVIDE UL LISTED AND LABELED DOOR WHERE FIRE-RESISTANCE RATING IS INDICATED ON DRAWINGS. ACCESS DOOR SHALL BE SIZED SO THAT ADJACENT EQUIPMENT IS ACCESSIBLE. PROVIDE ACUDOR, ELMODR, MILCOR, OR APPROVED.
- COORDINATE ATTACHMENTS TO STRUCTURE TO VERIFY THAT ATTACHMENT POINTS ON EQUIPMENT AND STRUCTURE CAN ACCEPT SEISMIC, WEIGHT, AND OTHER LOADS IMPOSED.
- REFER TO TYPICAL DETAILS PROVIDED IN THIS DWG SET FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR CONFORMANCE WITH DETAILS.
- LOCATIONS AND SIZES OF FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH OTHER TRADES INVOLVED. INCLUDE IN THE COST OF MECHANICAL WORK, CUTTING, CORING, PATCHING AND PAINTING OF EXISTING WALLS, CEILINGS, FLOORS AND ROOFS AS REQUIRED TO ACCOMMODATE WORK AS INDICATED IN THE MECHANICAL CONTRACT DOCUMENTS, UNLESS SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS.
- PROVIDE ELASTOMERIC FOAM MATERIAL ON MECHANICAL EQUIPMENT THAT PRESENT A SAFETY HAZARD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
- CLEAN THE JOB SITE DAILY AND REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS CAUSE BY THE PERFORMANCE OF THE WORK INCLUDED IN THIS CONTRACT. BEFORE SUBSTANTIAL COMPLETION, CLEAN EQUIPMENT, FIXTURES, EXPOSED DUCTS, PIPING AND SIMILAR ITEMS.
- PROVIDE EQUIPMENT THAT FITS INTO THE SPACE ALLOTTED AND ALLOWS ADEQUATE ACCEPTABLE CLEARANCE FOR INSTALLATION, REPLACEMENT, ENTRY, SERVICING AND MAINTENANCE. COORDINATE WITH OTHER TRADES TO ENSURE NO CONFLICT WITH REQUIRED CLEARANCES.
- PROVIDE OFFSETS IN PIPING WHERE PLUMBING/PIPING WALL IS LOCATED DIRECTLY ABOVE STRUCTURE. OFFSET PIPING INTO CASEWORK OR SHAFT TIGHT TO WALL AND BACK INTO WALL ONCE BELOW STRUCTURE. REFER TO STRUCTURAL DRAWINGS.
- BUILDING SPACE IS LIMITED. STRONG ATTENTION TO DETAIL AND CARE MUST BE TAKEN WHEN DEVELOPING SHOP DRAWING SO ROUTING IS COORDINATED WITH OTHER DISCIPLINES.
- MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.
- MECHANICAL EQUIPMENT, PACKAGED UNITS, CONTROL PANELS, MOTOR STARTER, MOTOR CONTROLLERS, VARIABLE FREQUENCY DRIVES AND SIMILAR EQUIPMENT SHALL CARRY A SHORT CIRCUIT CURRENT RATING (SCCR) EQUAL TO OR GREATER THAN AVAILABLE FAULT CURRENT DELIVERED FROM ELECTRICAL SYSTEM. INCLUDE VISIBLE FACTORY NAMEPLATE FOR SUCH EQUIPMENT INDICATING SCCR OF EQUIPMENT IN ACCORDANCE WITH UL 1995 AND UL 508A. HVAC/SHEET METAL:

DUCT WORK:

- DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS AND DUCT SIZE SHALL BE INCREASED TO COMPENSATE FOR DUCT LINING THICKNESS.
- PROVIDE TEMPORARY COVERS OVER OPEN ENDS OF EQUIPMENT AND DUCTWORK DURING CONSTRUCTION.
- PROVIDE MANUAL VOLUME DAMPER FOR EACH DIFFUSER, REGISTER, AND GRILLE.
- PROVIDE DUCT ACCESS DOORS AT DUCT SMOKE DETECTORS, BACKDRAFT DAMPERS, MOTORIZED CONTROL DAMPERS, FIRE DAMPERS, SMOKE DAMPERS, COMBINATION FIRE/SMOKE DAMPERS, DUCT MOUNTED COILS, DUCT AIRFLOW STATIONS AND LOUVER PLENUMS.
- PROVIDE THE FOLLOWING MINIMUM METAL BRANCH DUCT SIZE TO DIFFUSERS, REGISTERS, AND GRILLES, UNLESS NOTED TO USE LARGER SIZE ON DRAWINGS: SEE FLEX SIZE SCHEDULE ON SCHEDULE SHEET.

5.1.	6"Ø:	100 CFM
5.2.	8"Ø:	200 CFM
5.3.	10"Ø:	300 CFM
5.4.	12"Ø:	450 CFM
5.5.	14"Ø:	600 CFM

5.6. 16"Ø: 750 CFM

FIRE PROTECTION:

- PAINT ALL EXPOSED AND VISIBLE FIRE SPRINKLER PIPING BLACK. DO NOT PAINT FIRE SPRINKLER HEADS.

ENERGY CODE:

- MOTORS: COMPLY WITH MINIMUM FULL LOAD EFFICIENCIES LISTED IN THE STATE ENERGY CODE.
- PIPING AND DUCT INSULATION: COMPLY WITH THICKNESS AND TYPES LISTED IN THE STATE ENERGY CODE.
- DUCT SEALING: SEAL DUCT TRANSVERSE JOINTS AND LONGITUDINAL SEAMS PER STATE ENERGY CODE.
- RECORD DRAWINGS: PROVIDE PER STATE ENERGY CODE.
- OPERATION AND MAINTENANCE MANUALS: PROVIDE PER THE STATE ENERGY CODE.
- SYSTEM BALANCING: PROVIDE PER THE STATE ENERGY CODE.
- MECHANICAL SYSTEMS COMMISSIONING: PROVIDE PER THE STATE ENERGY CODE.
- THIS BUILDING AND ITS ENERGY SYSTEMS HAVE BEEN DESIGNED TO COMPLY WITH THE STATE ENERGY CODE. CONTRACTOR IS RESPONSIBLE FOR CORRECT INSTALLATION OF ENERGY CONSERVATION MEASURES.
- BUILDING PRESSURE TESTING: COORDINATE PHASING OF BUILDING ENVELOPE LEAKAGE TESTING WITH MECHANICAL SYSTEM SCOPES OF WORK. TEMPORARILY CAP SYSTEMS AS REQUIRED TO FACILITATE LEAKAGE TESTING SCOPE OF WORK.

NON-STRUCTURAL MECHANICAL COMPONENTS:

- THE CONTRACTOR SHALL REFER TO THE ABOVE FOR ADDITIONAL INFORMATION, EXCEPTIONS, AND FURTHER DESCRIPTIONS. THE CONTRACTOR SHALL ADHERE TO REQUIREMENTS AND AS SUCH, SHALL BE INCLUDED WITHIN BID.
- ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NON-STRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7-10, EXCLUDING CHAPTER 14 AND APPENDIX 11A, IF REQUIRED.
- CONTRACTOR RESPONSIBILITY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS, IF REQUIRED.
- HANGERS AND BRACING FOR THE MECHANICAL SYSTEMS SHALL BE DESIGNED AND PROVIDED BY THE MECHANICAL CONTRACTOR. REFER TO CONTRACTOR SHOP DRAWINGS FOR LOCATIONS OF EQUIPMENT AND HUNG MECHANICAL SYSTEMS. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE SUPPORT SYSTEMS AND DESIGN LOADS FOR HUNG MECHANICAL SYSTEMS WITH THE GENERAL CONTRACTOR AND OTHER TRADES THAT MAY BE IMPACTED.

- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE FOLLOWING CODES:
 2020 7TH EDITION FLORIDA BUILDING CODE
 2020 7TH EDITION FLORIDA PLUMBING CODE
 2020 7TH EDITION FLORIDA MECHANICAL CODE
 2017 NATIONAL ELECTRICAL CODE
 2020 7TH EDITION FLORIDA ENERGY CODE
 2020 7TH EDITION FLORIDA FIRE PREVENTION CODE

HOOD & GREASE EXHAUST DUCT NOTES

- EXHAUST HOODS SHALL BE CONSTRUCTED OF 16 GAUGE BLACK STEEL OR 18 GA. STAINLESS STEEL WITH ALL EXTERNAL SEAMS AND JOINTS CONTINUOUSLY WELDED 100% LIQUID TIGHT. EXHAUST HOODS SHALL MEET OR EXCEED THE REQUIREMENTS OF NFPA 96, ALL LOCAL CODES AND SHALL BEAR THE NSF SEAL OF APPROVAL.
- ALL LIGHTS USED IN THE HOODS SHALL BE U.L. LISTED FOR CANOPY HOOD USE AND OF THE INCANDESCENT TYPE AND SHALL BE WIRED TO COME ON THRU A SWITCH LOCATED ON THE HOOD FACE.
- THE EXHAUST HOODS SHALL HAVE ALL STAINLESS STEEL BAFFLE FILTERS AND SHALL HAVE A FIRE ACTUATED DAMPER IN THE MAKE-UP AIR COLLAR.
- THE EXHAUST HOODS SHALL HAVE PREPARED AUTOMATIC U.L. ANSUL FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF THE EXHAUST PLENUM & DUCT AND COOKING SURFACES. FIRE CONTROL CABINETS SHALL ALSO BE PROVIDED AS SHOWN AND SHALL HAVE MICRO SWITCHES FURNISHED AS REQUIRED FOR EQUIPMENT SHUT OFF. THERE SHALL BE A MANUAL PULL STATION NEAR THE EXIT DOOR AND MINIMUM OF 10'-0" FROM THE HOOD. (MUST BE FLUSH MOUNTED, CONDUIT RUN IN THE WALL).
- THE SUPPLY FAN SWITCHES, 40 VA TRANSFORMERS, SUPPLY & EXHAUST FAN STARTERS, THERMAL OVERLOADS AND MECHANICAL GAS VALVE SHALL BE FURNISHED BY THE HOOD MANUFACTURER, AND SUPPLY FAN SWITCHES SHALL BE MOUNTED ON THE HOOD FACES. THE 40 VA TRANSFORMERS AND FAN STARTERS SHALL BE MOUNTED IN THE FIRE CONTROL CABINETS AND THE MECHANICAL GAS VALVE SHALL BE INSTALLED AS SHOWN ON THE PLUMBING DRAWINGS.
- ALL EXHAUST COLLARS AND EXHAUST DUCTWORK ARE SIZED TO MAINTAIN BETWEEN 1500 AND 2000 FPM EXHAUST AIR VELOCITY. ALL GREASE EXHAUST DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NFPA-96. GREASE EXHAUST DUCTWORK SHALL HAVE ALL SEAMS, JOINTS AND PENETRATIONS CONTINUOUSLY WELDED LIQUID TIGHT.
- ALL HORIZONTAL RUNS OF GREASE EXHAUST DUCT SHALL SLOPE BACK TOWARD THE HOOD AT A SLOPE OF 1/4" PER FOOT. PROVIDE A RESIDUE TRAP AT THE BASE OF EACH VERTICAL RISER.
- PROVIDE U.L. LISTED CLEANOUTS IN GREASE EXHAUST DUCTWORK AT A MINIMUM OF 10'-0" INTERVALS, AT EACH CHANGE OF DIRECTION AND AT EACH RESIDUE TRAP.
- THE DISCHARGE OF THE GREASE EXHAUST FANS SHALL BE A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKE.
- ALL GREASE EXHAUST DUCTWORK SHALL HAVE STANDARD OR RADIUS ELBOWS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WARRANTIES.
- THE FOLLOWING EQUIPMENT SHALL BE PROVIDED BY CAPTIVEAIRE SYSTEMS, FURNISHED AND INSTALLED BY THIS CONTRACTOR:
 - STAINLESS STEEL HOODS AS SPECIFIED ABOVE WITH FIRE PROTECTION SYSTEMS, CONTROLS, STARTERS, FIRE CONTROL CABINETS CLOSURE STRIP AND MECH. GAS VALVE.
- THE FOLLOWING SHALL BE SUPPLIED BY CAPTIVEAIRE AND INSTALLED BY GC:
 - ALL HOODS, HOOD SUPPLY AND EXHAUST FANS WITH ROOF CURBS. PROVIDE ALL HOOD EXHAUST FANS WITH GREASE GUARDS) SUPPLIED BY CAPTIVEAIRE.
 - ALL DUCTWORK BETWEEN HOODS AND FANS - INSTALLED BY GC.
 - WIRING BETWEEN HOODS, FANS AND FIRE SYSTEM - INSTALLED BY GC.
- KITCHEN HOOD TEST AND BALANCE REPORT SHALL BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO FINAL INSPECTION.
- UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRIC POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF. ACTIVATION OF THE AUTOMATIC FIRE EXTINGUISHING SYSTEM MUST IMMEDIATELY SHUT OFF GAS AND ELECTRIC SUPPLY TO ALL APPLIANCES UNDER THE PROTECTED HOOD. THE PLUMBING CONTRACTOR SHALL PROVIDE A MASTER SOLENOID VALVE IN GAS LINE TO DISCONNECT ALL GAS APPLIANCES. MANUAL GAS AND ELECTRIC RESETS ARE REQUIRED.
- ALL REMOTE MANUAL OPERATING DEVICES SHALL BE IDENTIFIED AS THE "HAZARD PROTECTED" PROVIDE PLAQUE AND SIGN AS REQUIRED BY LOCAL JURISDICTION.
- ONE PLENUM NOZZLE SHALL BE PROVIDE FOR EVERY 10 FEET OF HOOD. REFER TO HOOD DRAWINGS FOR EXACT LOCATION.
- THE HOOD INSTALLING CONTRACTOR SHALL PROVIDE THE LATEST SYSTEM MANUAL AS PROVIDED BY THE MANUFACTURER TO VERIFY THE SYSTEM INSTALLATION.
- NONCOMBUSTIBLE BACK SPLASH TO EXTEND AT LEAST 18" IN ALL DIRECTIONS FROM THE HOOD. 2006 IMC 507.9
- EXTERNAL HOOD JOINTS, SEAMS AND PENETRATIONS FOR TYPE 1 HOODS SHALL BE MADE WITH A CONTINUOUS EXTERNAL LIQUID-TIGHT WILD OR BRAZE TO THE LOWEST OUTERMOST PERIMETER OF THE HOOD.
- PRIOR TO THE USE OF CONCEALMENT OF ANY PORTION OF A GREASE DUCT SYSTEM, A LEAKAGE TEST SHALL BE PERFORMED. DUCTS SHALL BE CONSIDERED TO BY CONCEALED WHERE INSTALLED IN SHAFTS OR COVERED BY COATING OR WRAPS THAT PREVENT THE DUCTWORK FROM BEING VISUALLY INSPECTED ON ALL SIDES. THE PERMIT HOLDER SHALL BE RESPONSIBLE TO PROVIDE THE NECESSARY EQUIPMENT AND PERFORM THE GREASE DUCT LEAKAGE TEST. A LIGHT TEXT SHALL BE PERFORMED TO DETERMINE THAT ALL WELDED AND BRAZED JOINTS ARE LIQUID-TIGHT.

OVEN HOOD VENDOR: CAPTIVE AIRE SYSTEMS, REGION 85
 PHONE: 425-212-5896v2
 CONTACT: JON CLARKE
 EMAIL: REG85@CAPTIVEAIRE.COM

NOTE:
 EACH HOOD SHALL BEAR THE FOLLOWING APPROVALS:
 NSF # 1362, SBCCI # 8469, U.L. CLASSIFICATION # 91G6, NFPA #90A, 90B, 96-101

REFERENCE SYMBOLS

	NEW MECHANICAL WORK
	EXISTING MECHANICAL WORK
	EXISTING MECHANICAL WORK TO BE DEMOLISHED
	ENLARGED PLAN BORDER
	MATCHLINE
	SECTION IDENTIFIER
	DETAIL OR DRAWING IDENTIFIER
	REVISION CLOUD INDICATES WHERE SECTION APPEARS
	INDICATES REVISION & NUMBER
	FLAG NOTE
	EQUIPMENT IDENTIFIER
	POINT OF CONNECTION
	NORTH ARROW
	MECHANICAL ACCESS

DUCTWORK SYMBOLS

	NEW DUCTWORK
	RISE OR DROP DIRECTION OF AIR FLOW
	INTERNALLY LINED DUCT
	MANUAL VOLUME DAMPER
	BACKDRAFT DAMPER
	MOTOR OPERATED DAMPER
	DUCT SMOKE DETECTOR
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	HORIZONTAL FIRE DAMPER
	HORIZONTAL SMOKE DAMPER
	HORIZONTAL COMBINATION FIRE/SMOKE DAMPER
	FLEXIBLE CONNECTION
	UNDERCUT DOOR
	SUPPLY AIR DUCT SECTION
	RETURN OR OUTSIDE AIR DUCT SECTION
	EXHAUST AIR DUCT SECTION
	RECTANGULAR DUCT UP
	RECTANGULAR DUCT DOWN
	ROUND DUCT UP
	ROUND DUCT DOWN
	FLEXIBLE DUCTWORK

DIFFUSER, REGISTER, AND GRILLE SYMBOLS

	AIR DEVICE TAG
	SUPPLY DIFFUSER
	RETURN OR RELIEF GRILLE
	EXHAUST GRILLE
	SIDEWALL GRILLE (SUPPLY), LOUVER (EXHAUST OR RETURN)
	SIDEWALL GRILLE (RETURN OR EXHAUST), LOUVER (OUTSIDE)
	LINEAR GRILLE
	ROUND DIFFUSER

CONTROLS

	ROOM THERMOSTAT
	ROOM SENSOR
	ROOM PRESSURE SENSOR
	ROOM HUMIDITY SENSOR
	ROOM CARBON MONOXIDE SENSOR
	ROOM CARBON DIOXIDE SENSOR
	OCCUPANCY SENSOR
	REMOTE TEST STATION
	VARIABLE FREQUENCY DRIVE
	STARTER OR STARTER/DISCONNECT
	DIRECT DIGITAL CONTROL PANEL
	DIFFERENTIAL PRESSURE TRANSMITTER
	CONTROL WIRING
	SWITCH

MECHANICAL SHEET INDEX

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SP-912	MECHANICAL SPECIFICATIONS

HVAC ABBREVIATIONS

A	AMPS
AF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMB	AMBIENT
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
DIA	DIAMETER
EAT	ENTERING AIR TEMPERATURE
EOB	ENTERING DRY BULB TEMPERATURE
EF	EXHAUST FAN
ERTU	EXISTING ROOF TOP UNIT FAN
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB TEMPERATURE
*F	DEGREE FAHRENHEIT
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FT	FOOT OR FEET
HP	HORSEPOWER
KW	KILOWATT
HZ	HERTZ
IN	INCH
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB TEMPERATURE
LRA	LOCKED ROTOR AMPS
LWB	LEAVING WET BULB TEMPERATURE
MAX	MAXIMUM
MBH	1,000 BTUS PER HOUR
MCA	MAXIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MOPP	MAXIMUM OVERCURRENT PROTECTION
N T S	NOT TO SCALE
OA	OUTSIDE AIR
PH	PHASE
REL	RELIEF
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SD	SPLITTER DAMPER
SHC	SENSIBLE HEAT CAPACITY
SQ. FT.	SQUARE FEET
T	THERMOSTAT

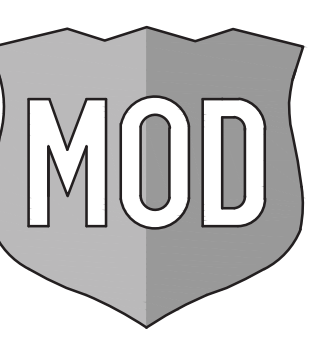
FIELD VERIFY ALL CONDITIONS

NOTE! AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR THAT HE HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO FABRICATION OF CONDUITS, DUCTS, OR PIPING, AND START OF INSTALLATION OF SAME (INCLUDING SPRINKLER PIPING WHEN PRESENT ON JOB). ANY INSTALLATION OR CONSTRUCTION CONFLICTS WHICH OCCUR IN THE FIELD SHALL BE RESOLVED BY THE TRADE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND AT NO EXPENSE TO THE OWNER, ARCHITECT AND/OR GENERAL CONTRACTOR.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

OWNER



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ARCHITECT OF RECORD



AR0011595
 CA 8660

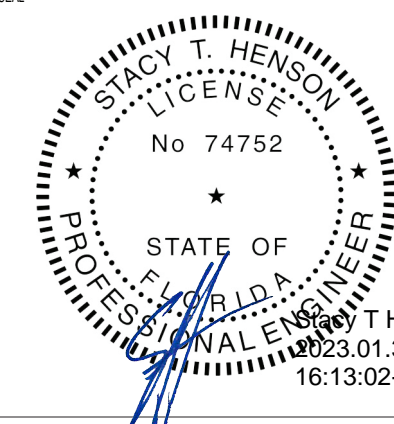
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Stacy T. Henson
 12/23.01.30
 16:13:02-05:00

MOD LAKEWOOD RANCH NORTH
 13220 SR 64 EAST, SUITE 104,
 BRADENTON, FL 34212

ISSUED / REVISED	DATE
	06.22.22
	07.18.22
	07.21.22
	11.09.22
	11.16.22
	12.15.22
	01.24.23
	01.27.23

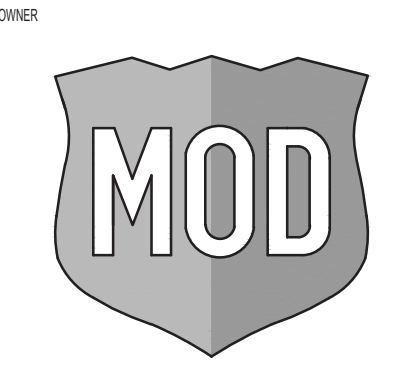
MOD CD TEMPLATE V2.3 ISSUED 04.05.2022

PERMIT SET 05.20.22

M-001
 MECHANICAL LEGEND AND GENERAL NOTES

CHECKED: DAK DRAWN: TP

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2035 158th CT NE
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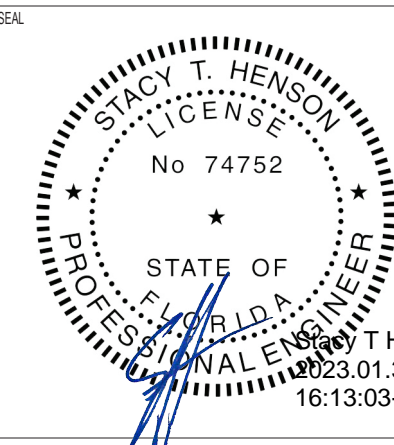
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MOD LAKEWOOD RANCH NORTH
13220 SR 64 EAST, SUITE 104,
BRADENTON, FL 34212

ISSUED / REVISED	DATE
△ BUILDING COMMENTS	06.22.22
△ BUILDING COMMENTS	07.18.22
△ ISSUED FOR BID	07.21.22
△ VARIANCE CHANGES	11.09.22
△ RCP DETAILS	11.16.22
△ PERMIT COMMENTS	12.15.22
△ PERMIT COMMENTS	01.24.23
△ ELECTRICAL REVISIONS	01.27.23

MOD CD TEMPLATE V2.3 ISSUED 04.05.2022

PERMIT SET 05.20.22

M-111
MECHANICAL FLOOR PLAN

CHECKED: DAK DRAWN: TP

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KEYED NOTES

- OVEN VENT SYSTEM TO BE PROCURED BY CONTRACTOR ONLY FROM CAPTIVE AIRE SYSTEMS REGION 85 425-212-6996. REG85@CAPTIVEAIRE.COM. NO SUBSTITUTIONS PERMITTED. REFER TO H-SERIES SHEETS BY CAPTIVE AIRE FOR ADDITIONAL INFORMATION.
- 12"Ø EXHAUST DUCT UP TO EF-1 ON ROOF. CONTRACTOR TO MEASURE DUCTING IMMEDIATELY AFTER OVEN INSTALLATION AND PROMPTLY PROVIDE INFORMATION TO CAPTIVEAIRE SYSTEMS FOR FABRICATION. FABRICATION AND DELIVER TAKE FOUR (4) WEEKS MINIMUM. INCORPORATE INTO CONSTRUCTION SCHEDULE ACCORDINGLY.
- SUPPLY AND RETURN AIR DUCT UP TO LANDLORD PROVIDED ROOFTOP UNITS TRANSITION AND OFFSET AS REQUIRED. FIELD VERIFY ALL ROUTING AND REQUIREMENTS PRIOR TO BID AND INSTALLATION. ALL ROOF WORK TO BE BY LANDLORDS ROOFING CONTRACTOR.
- CONTRACTOR TO PROVIDE DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY & RETURN DUCT AND ALL WIRING CONNECTIONS. THE DUCT SMOKE DETECTOR SHALL BE COMPATIBLE WITH THE FIRE ALARM SYSTEM IF EXISTING. THE MECHANICAL CONTRACTOR SHALL INSTALL THE SMOKE DETECTOR AND REMOTE TEST STATION. ELECTRICAL CONTRACTOR SHALL CONNECT TO A FIRE ALARM SYSTEM. THE ACTIVATION OF THE DUCT SMOKE DETECTOR SHALL ACTIVATE AN AUDIBLE/VISUAL ALARM AT A CONSTANTLY ATTENDED LOCATION. MECHANICAL AND ELECTRICAL CONTRACTOR SHALL TEST AND VERIFY THE SMOKE DETECTION SYSTEM WORKS PROPERLY AND MEETS ALL LOCAL AND STATE CODES. EXACT LOCATION OF REMOTE STATION SHALL BE FIELD VERIFIED.
- PROVIDE REMOTE TEST STATION FOR (E)RTU-1, (E)RTU-2, RTU-3, & RTU-4 SMOKE DETECTORS. MOUNT TEST STATIONS IN THIS LOCATION. PROVIDE WITH AUDIBLE AND VISUAL ALARM WITH KEYPAD RESET. MOUNT TEST STATION 48 INCHES AFF. MOUNT AT MANAGER STATION. MOUNT AUDIBLE AND VISUAL ALARM IN CONSTANTLY ATTENDED LOCATION. AUDIBLE AND VISUAL ALARM IS NOT REQUIRED WHERE DUCT SMOKE DETECTOR ACTIVATES THE BUILDING'S ALARM SYSTEM. LABEL EACH REMOTE WITH ASSOCIATED ROOFTOP UNIT. FIELD VERIFY EXACT LOCATION WITH TENANTS CONSTRUCTION MANAGER.
- MECHANICAL CONTRACTOR TO INSTALL LANDLORD PROVIDED THERMOSTAT AT THE MANAGERS DESK. THERMOSTAT SHALL BE HONEYWELL MODEL VISION PRO 8000. MOUNT AT 46" AFF. COORDINATE EXACT LOCATION WITH TENANT CONSTRUCTION MANAGER. WIRE TO HVAC EQUIPMENT PER MANUFACTURER'S PRINTED INSTRUCTIONS. THE ENTIRE CONTROL SYSTEM SHALL BE PROVIDED COMPLETE IN EVERY RESPECT BY THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR TO INSTALL LANDLORDS TEMPERATURE/HUMIDITY SENSOR AT THIS LOCATION. MOUNT ON CEILING AT RA GRILL. PROVIDE CONDUIT FOR CONTROL WIRE. FIELD VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION WITH OWNERS REPRESENTATIVE. DO NOT PLACE ON ANY EXTERIOR WALL. ENSURE THEY DO NOT CONFLICT WITH ANY ART.
- ROUND EXPOSED SUPPLY DUCT SHOWN IN DINING AREA SHALL BE GALVANIZED DOUBLE-WALL INSULATED SPIRAL DUCT. ALL DUCTWORK SHALL BE HUNG AT THE SAME HEIGHT AND AS HIGH AS POSSIBLE. SPIRAL DUCT SHALL BE ORDERED AND INSTALLED BY MECHANICAL CONTRACTOR. ROUTE SPIRAL BELOW JOIST AND ROUTE DUCT HIGH AS POSSIBLE. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID. SEE ARCHITECTURAL DRAWING FOR COLOR TO PAINT DUCTWORK IF REQUIRED. PAINT ALL REQUIRED DIFFUSERS AND REGISTERS PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL PLANS FOR DETAILS. ANY PAINTING OF DIFFUSER SHALL BE DONE PRIOR TO INSTALLATION.
- ALL NEW SUPPLY AND RETURN DUCTWORK ABOVE CEILING SHALL BE GALVANIZED STEEL, EXTERNALLY INSULATED WITH TYPE 150, 2 INCH THICK, DUCTWRAP. INSTALLED R VALUE SHALL BE A MINIMUM OF 6.4. SEAL ALL JOINTS AND SEAMS WITH GLASS FABRIC AND MASTIC MEETING UL 181.
- PROVIDE WITH PROGRAMMABLE TIMER TO OPERATE DURING BUSINESS HOURS.
- LOCATE RETURN AIR GRILLES IN BULK HEAD ABOVE SOFFIT AND PAINT TO MATCH ADJACENT WALL SURFACE. PAINT GRILLES PRIOR TO INSTALLATION.
- CONTRACTOR TO MAKE SURE THAT SUPPLY SIDEWALL AIR DEVICES AVOID BLOWING ON PENDANT LIGHT STEMS, TYPICAL ALL SIDEWALLS.
- 8"Ø EXHAUST DUCT UP THRU ROOF. PROVIDE BACKDRAFT DAMPER, RAIN CAP AND 14 SQ. NON CORROSIVE WIRE MESH. EXHAUST DUCT SHALL BE GALVANIZED DUCT.
- GC TO UNDERCUT DOOR 1" FOR AIR PASSAGE.
- EXPOSED RA DUCT IN DINING AREA SHALL BE GALVANIZED DOUBLE-WALL INSULATED RECTANGULAR DUCT. ALL DUCTWORK SHALL BE HUNG AT THE SAME HEIGHT AND AS HIGH AS POSSIBLE. DUCT SHALL BE ORDERED AND INSTALLED BY MECHANICAL CONTRACTOR. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID. SEE ARCHITECTURAL DRAWING FOR COLOR TO PAINT DUCTWORK IF REQUIRED. PAINT ALL REQUIRED DIFFUSERS AND REGISTERS PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL PLANS FOR DETAILS. ANY PAINTING OF DIFFUSER SHALL BE DONE PRIOR TO INSTALLATION.
- PROVIDE 18x16 DOWN FROM UNIT ON ROOF. PROVIDE 16x16 OPENING INTO TOP OF 18x16 RA DUCT SO AS NOT TO BE SEEN FROM BELOW. BALANCE TO CFM SHOWN ON SCHEDULE. PROVIDE 1/2"x1/2" PROTECTIVE NON CORROSIVE WIRE MESH TO PROTECT OPENING.
- ROUTE 4" WATER HEATER CONCENTRIC VENT PIPE UP TO ROOF. MAINTAIN 10'-0" CLEARANCE FROM ANY FRESH AIR INTAKE.

NOTE:
UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRIC POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF. ACTIVATION OF THE AUTOMATIC FIRE EXTINGUISHING SYSTEM MUST IMMEDIATELY SHUT OFF GAS AND ELECTRIC SUPPLY TO ALL APPLIANCES UNDER THE PROTECTED HOOD. THE PLUMBING CONTRACTOR SHALL PROVIDE A MASTER SOLENOID VALVE IN GAS LINE TO DISCONNECT ALL GAS APPLIANCES. MANUAL GAS AND ELECTRIC RESETS ARE REQUIRED. ALL MAKEUP AIR FANS AND KITCHEN ROOFTOP UNITS SHALL DE-ENERGIZE UPON ACTIVATION OF FIRE/ANSUL HOOD SYSTEM.

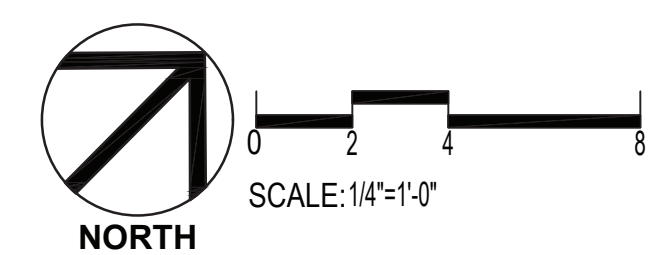
NOTE:
PROVIDE WALL MOUNTED TEMPERATURE SENSORS IN EACH ZONE. PRIOR TO INSTALLATION VERIFY LOCATION OF TEMPERATURE SENSOR DOES NOT CONFLICT WITH WALL GRAPHICS, WALL ARTWORK, MENU BOARDS, AND BADGES.

NOTE:
ADD INTERLOCK TIMER FOR OVEN AND OVEN EXHAUST.

DUCT SIZING METHOD
SIZE ANY NEW DUCTWORK USING A DUCTULATOR. SIZE DUCTWORK AT 0.08" FRICTION PER 100 FT OF DUCT. FLEX SHALL BE SIZED 0.05" PER 100FT.



MECHANICAL FLOOR PLAN





2035 158th CT NE
Suite 200
Bellevue, WA 98008

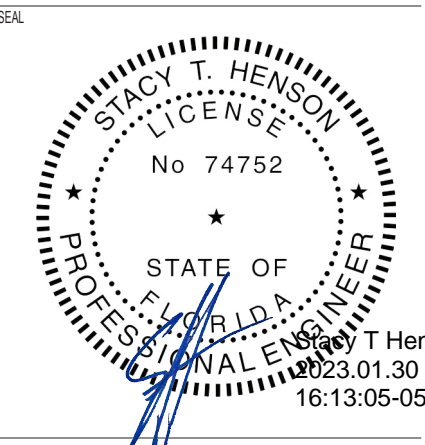
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PROJECT NO. 2022.0067

CONSULTANT

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MOD LAKEWOOD RANCH NORTH
13220 SR 64 EAST, SUITE 104,
BRADENTON, FL 34212

ISSUED / REVISED	DATE
▲ BUILDING COMMENTS	06.22.22
▲ BUILDING COMMENTS	07.18.22
▲ ISSUED FOR BID	07.21.22
▲ VARIANCE CHANGES	11.09.22
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▲ PERMIT COMMENTS	01.24.23
▲ ELECTRICAL REVISIONS	01.27.23

MOD CD TEMPLATE V2.3 ISSUED 04.05.2022

PERMIT SET 05.20.22

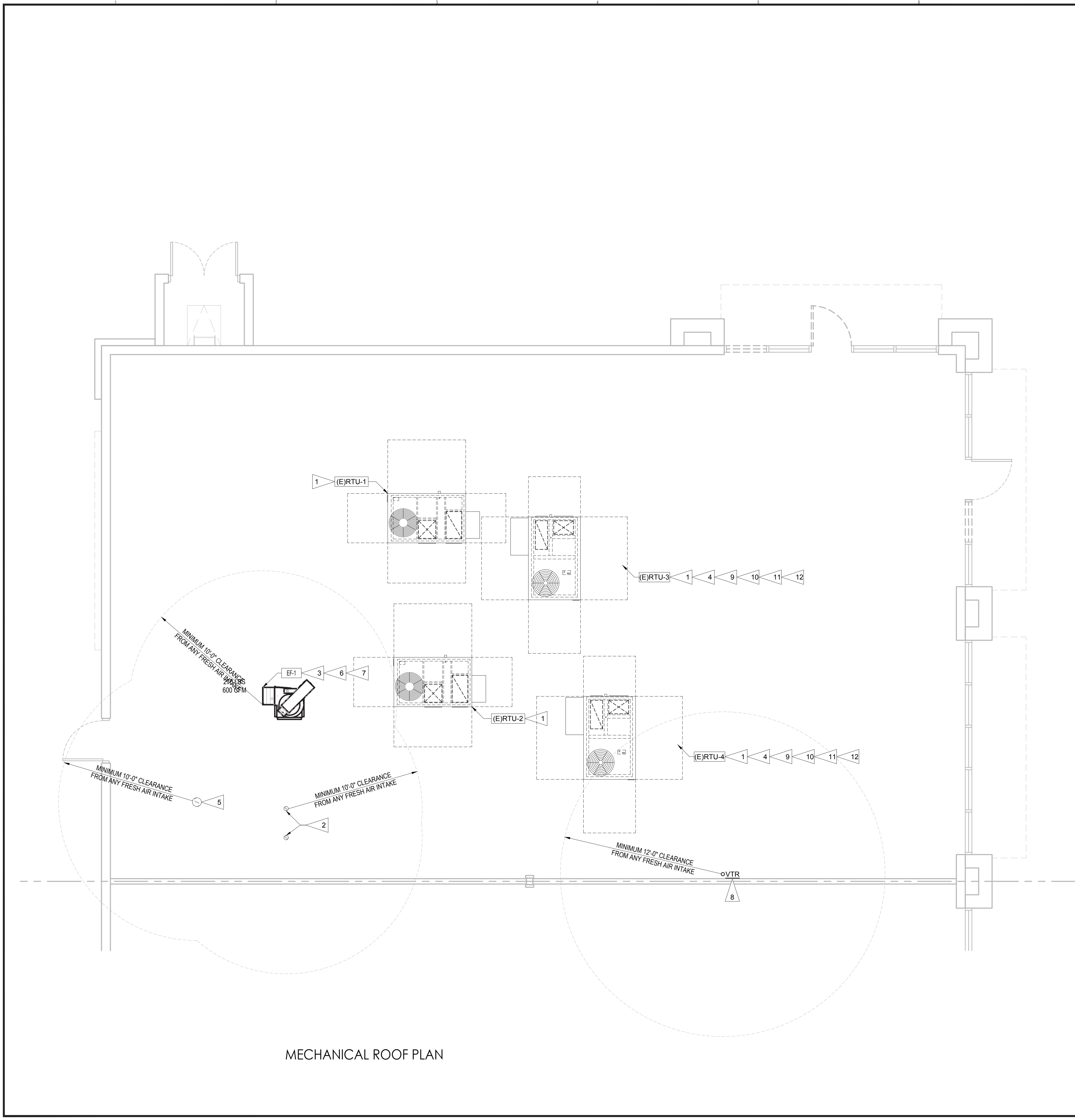
M-131
MECHANICAL ROOF PLAN

CHECKED: DAK DRAWN: TP

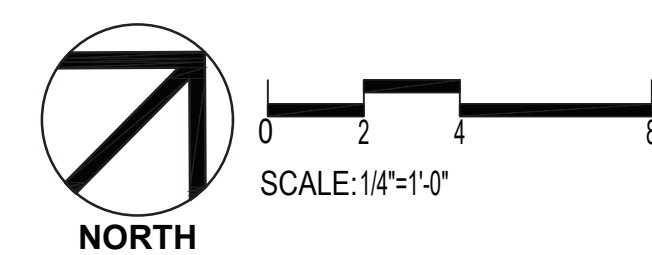
- KEYED NOTES**
- EXISTING RTU PROVIDED BY LANDLORD TO REMAIN AND REUSE. REFER TO SCHEDULE ON SHEET M-601 FOR INFORMATION.
 - CONCENTRIC VENT FROM WATER HEATER UP THROUGH ROOF. MAINTAIN 10' MINIMUM CLEARANCE FROM ALL FRESH AIR INTAKE.
 - COORDINATE EXACT ROOFTOP EQUIPMENT LOCATION FOR OPENINGS IN THE ROOF WITH THE STRUCTURAL MEMBERS PRIOR TO CUTTING DECK.
 - CONDENSATE LINE IS LOCATED ON ROOF AND ROUTED TO NEAREST ROOF DRAIN. INSTALL PER LANDLORD AND LOCAL CODE REQUIREMENTS. CONDENSATE SHALL BE ATTACHED TO ROOF PER LOCAL CODE REQUIREMENTS. PROVIDE THE PIPE SUPPORTS FOR ALL PVC CONDENSATE PIPING SPACING AT A MINIMUM 4'-0" ON CENTER.
 - 8"Ø EXHAUST UP FROM RESTROOMS. RESTROOM EXHAUST DUCT SHALL GALVANIZED STEEL. PROVIDE RAIN CAP WITH INTEGRAL BIRD SCREEN, BACKDRAFT DAMPER, AND ACCESSORIES AS REQUIRED. EXHAUST FAN SHALL MAINTAIN 10' CLEARANCE FOR ANY OUTSIDE AIR INTAKE. ALL ROOF WORK SHALL BE DONE BY LANDLORD'S ROOFING CONTRACTOR AT TENANTS EXPENSE UNLESS NOTED OTHERWISE.
 - PROVIDE ALL NEW GREASE EXHAUST FAN WITH PRE-FABRICATED ROOF CURBS AND PROVIDED BY CAPTIVEAIRE INSTALLED BY GC. SECURE FAN TO CURB WITH SCREWS PER LOCAL CODE REQUIREMENTS. HOOD EXHAUST FAN SHALL BE MINIMUM 40" FROM ROOF SURFACE AND 10'-0" MINIMUM FROM AND FRESH AIR INTAKE. FIELD VERIFY EXACT CONDITIONS.
 - PROVIDE CAPTIVEAIRE HINGED BASE KIT OR EQUAL. THE HINGED BASE KIT IS A FIELD INSTALLED OPTION WHICH PROVIDES A LOCKABLE, HINGED CONNECTION BETWEEN THE FAN AND CURB. THIS ALLOWS EASY ACCESS TO THE WHEEL AND INLET OF THE FAN AS WELL AS THE INTERIOR DUCTWORK. THE KIT INCLUDES TWO HINGE PLATES, TWO LATCH PLATES, HINGE BOLTS, AIRCRAFT CABLE AND CLAMPS. SET FAN SO WHEN OPEN UP THERE IS ACCESS FOR CLEANING.
 - 4" VTR FROM VENT LINE UP THROUGH ROOF. MAINTAIN 12' MINIMUM CLEARANCE FROM ALL FRESH AIR INTAKE.
 - TENANTS CONTRACTOR SHALL REVIEW ELECTRICAL POWER REQUIREMENTS FOR MECHANICAL EQUIPMENT THAT ARE SCHEDULED ON THE ELECTRICAL DRAWINGS AND VERIFY THAT THEY MATCH PRIOR TO ORDERING EQUIPMENT. DO NOT PURCHASE MOTORS OR ELECTRICAL EQUIPMENT UNTIL POWER CHARACTERISTICS AVAILABLE AT BUILDING HAVE BEEN CONFIRMED BY CONTRACTOR.
 - COORDINATE ROOFTOP EQUIPMENT LOCATION AND OPENING IN THE ROOF WITH THE STRUCTURAL MEMBERS PRIOR TO CUTTING DECK.
 - PROVIDE NEW ROOFTOP UNIT WITH PRE-FABRICATED MINIMUM 14 INCH HIGH INSULATED ROOF CURB. MAINTAIN MINIMUM HEIGHT OF 8" FROM ROOF SURFACE, REFER TO EQUIPMENT SCHEDULE ON M-501.
 - MECHANICAL CONTRACTOR TO INSTALL AQUAGUARD AG-3180E MICRO PAN SENSOR (OVERFLOW SWITCH) INSIDE ROOFTOP UNIT DRAIN PAN. ON DOWN-FLOW UNITS AND ALL OTHER COILS THAT DO NOT HAVE A SECONDARY DRAIN PAN, A WATER-LEVEL MONITORING DEVICE SHALL BE INSTALLED INSIDE THE PRIMARY DRAIN PAN. THIS DEVICE SHALL SHUT OFF THE EQUIPMENT SERVED IN THE EVENT THAT THE PRIMARY DRAIN BECOMES RESTRICTED. EXTERNALLY INSTALLED DEVICES AND DEVICES INSTALLED IN THE DRAIN LINE SHALL NOT BE PERMITTED. AQUAGUARD PH 888-708-6622.

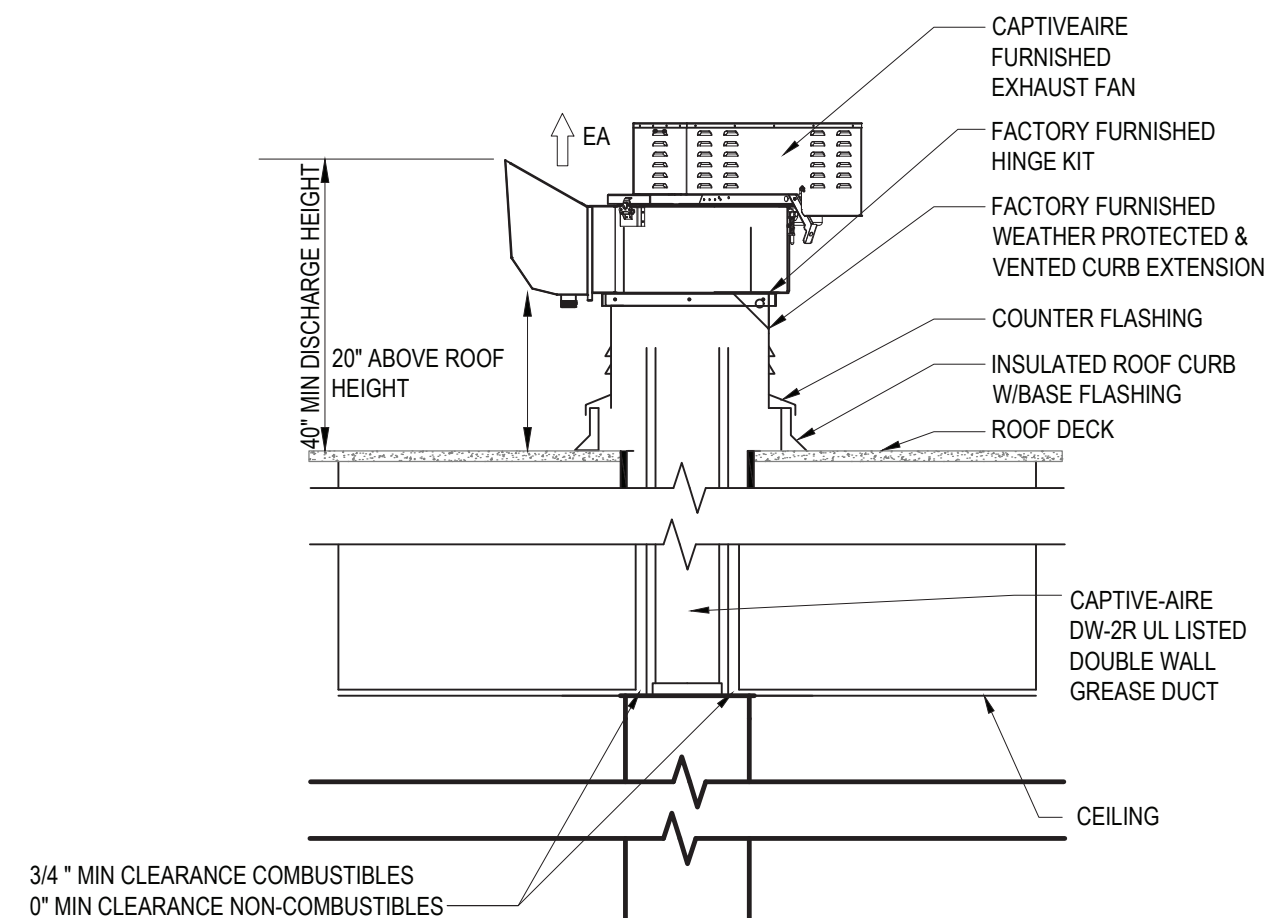
NOTE TO TENANT:
RESTROOMS EXHAUST FANS SHOULD NOT BE ENGAGED AFTER RESTAURANT OPERATION HOURS. TO AVOID HIGH HUMIDITY PROBLEMS. IF FAN IS ENGAGED WITHOUT PROPER MAKEUP AIR HUMIDITY WILL BE DRAWN IN TO THE BUILDING.

NOTE:
ALL NEW ROOFING WORK TO BE PERFORMED BY LANDLORDS ROOFING CONTRACTOR.

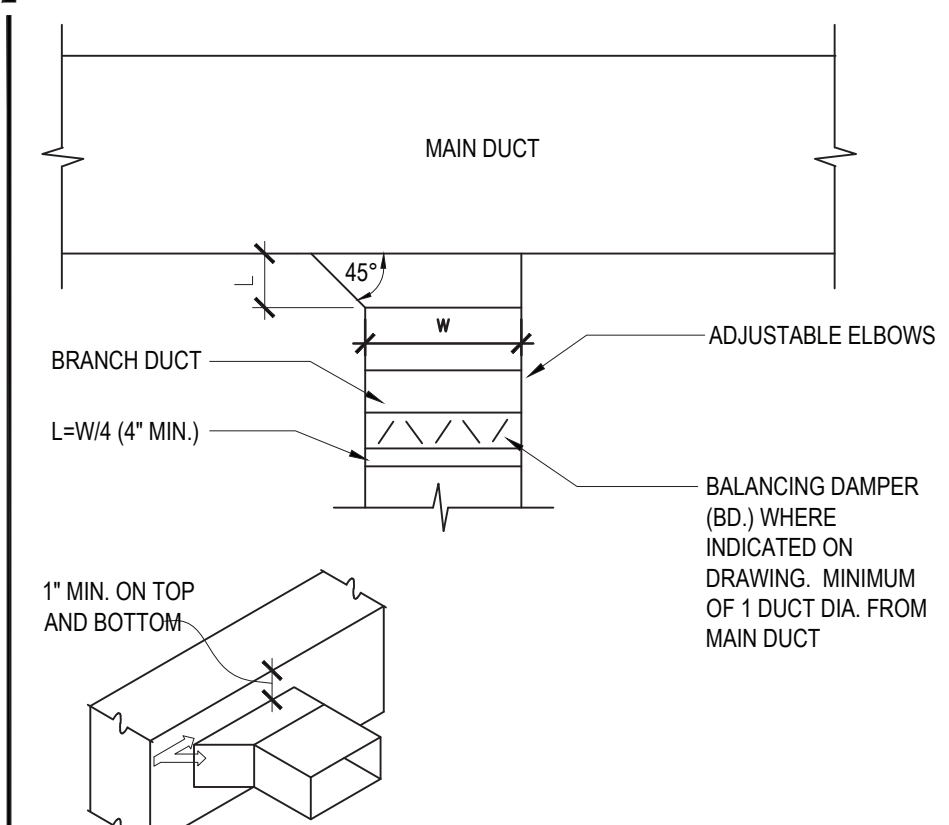


MECHANICAL ROOF PLAN

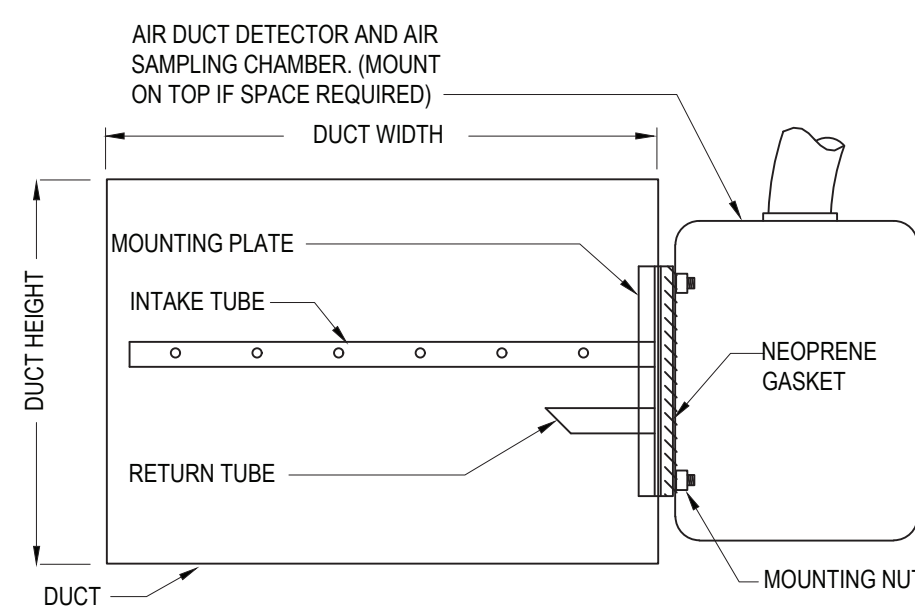




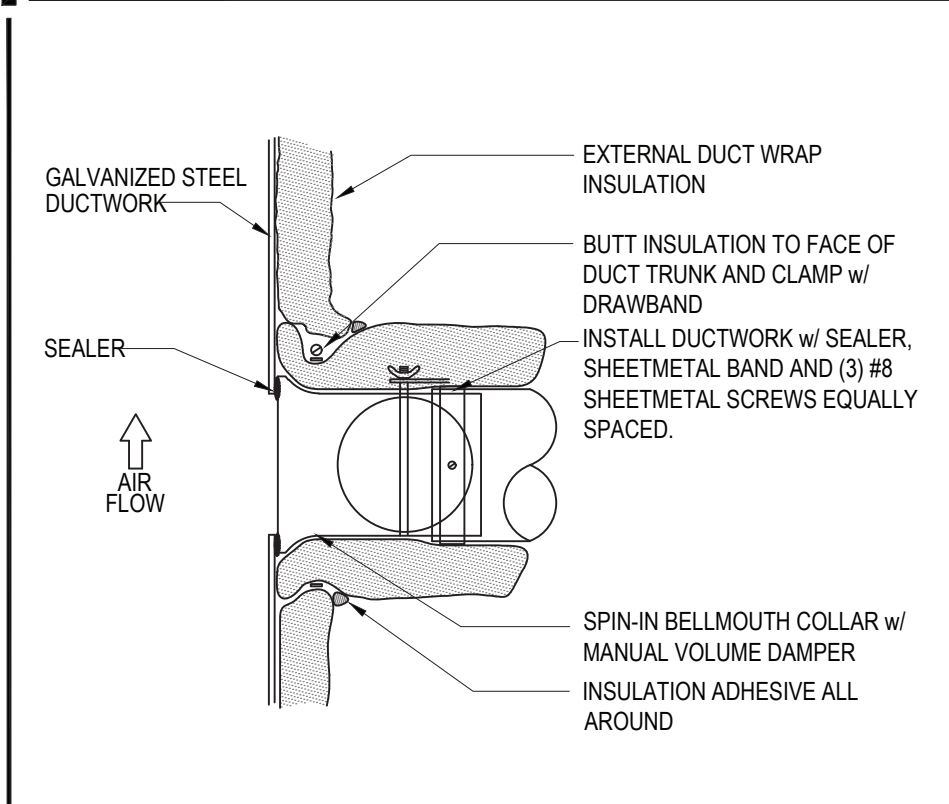
5 GREASE EXHAUST FAN DETAIL
SCALE: NONE



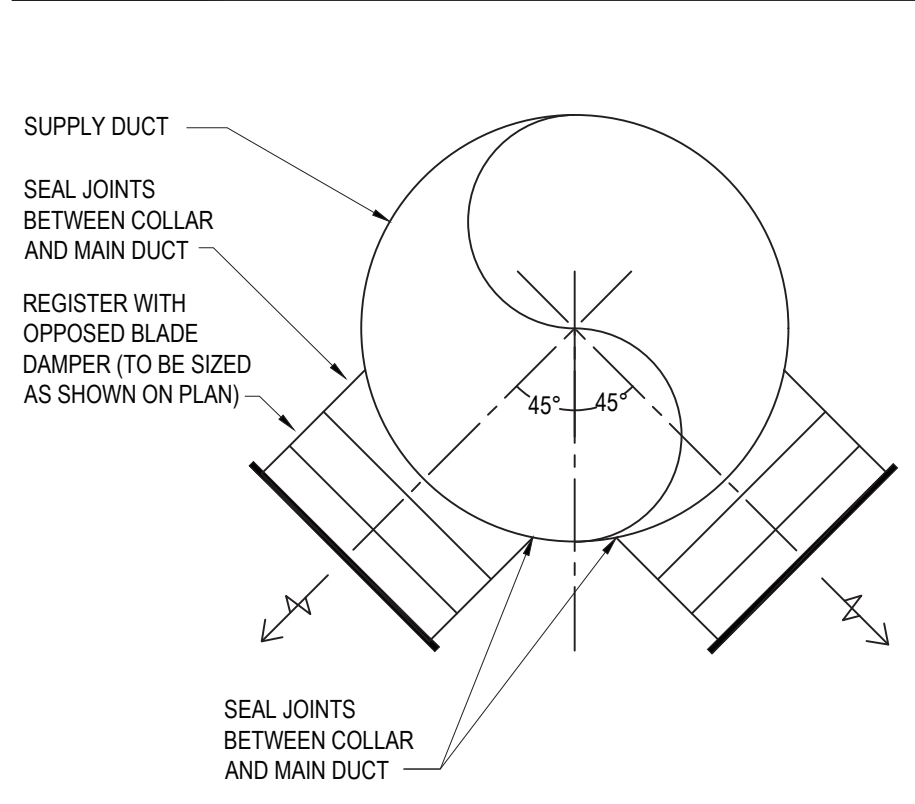
2 RECT. BRANCH CONNECTION DETAIL
SCALE: NONE



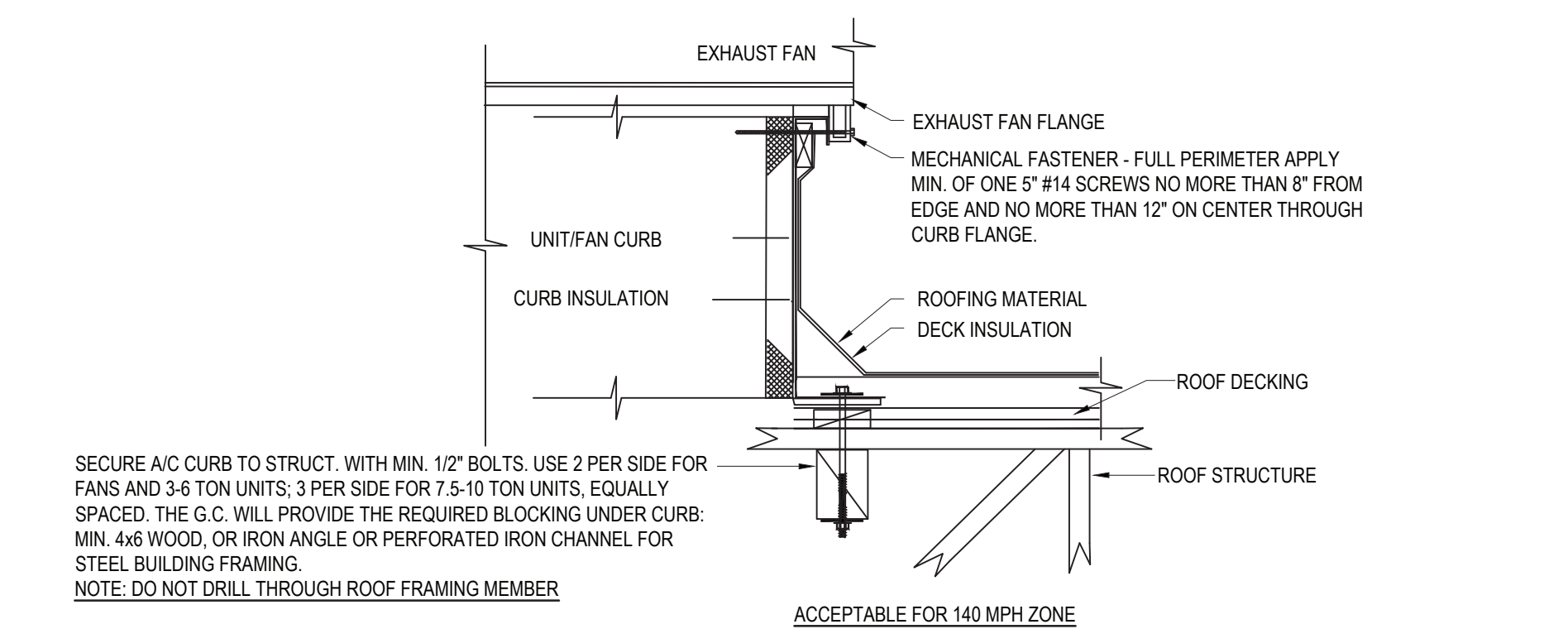
1 SMOKE DETECTOR DETAIL
SCALE: NONE



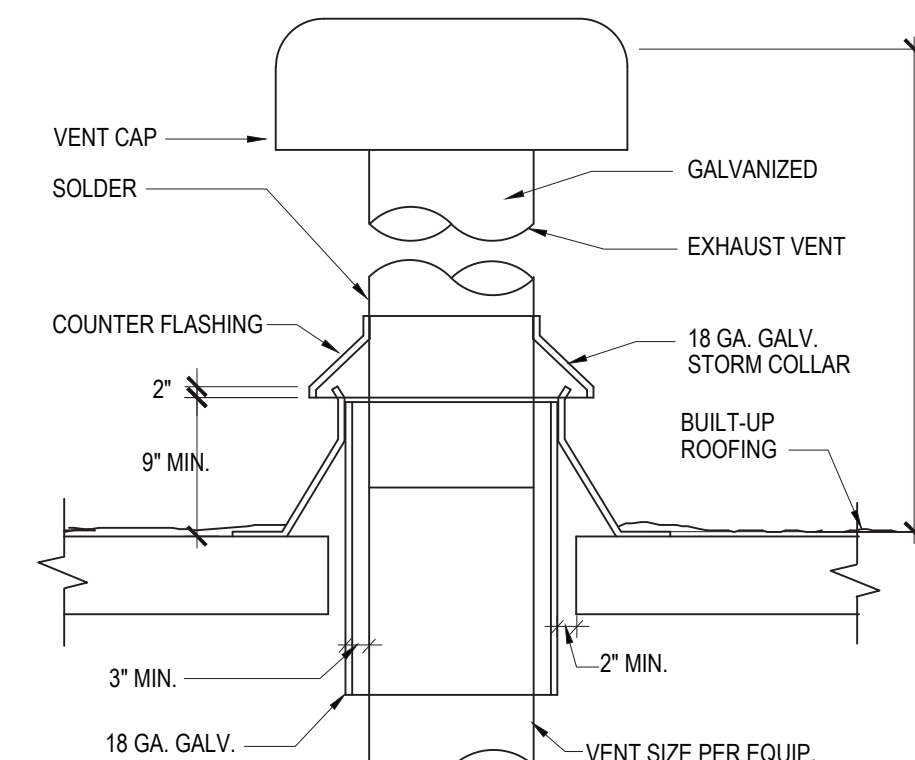
4 DUCT FITTING DETAIL
SCALE: NONE



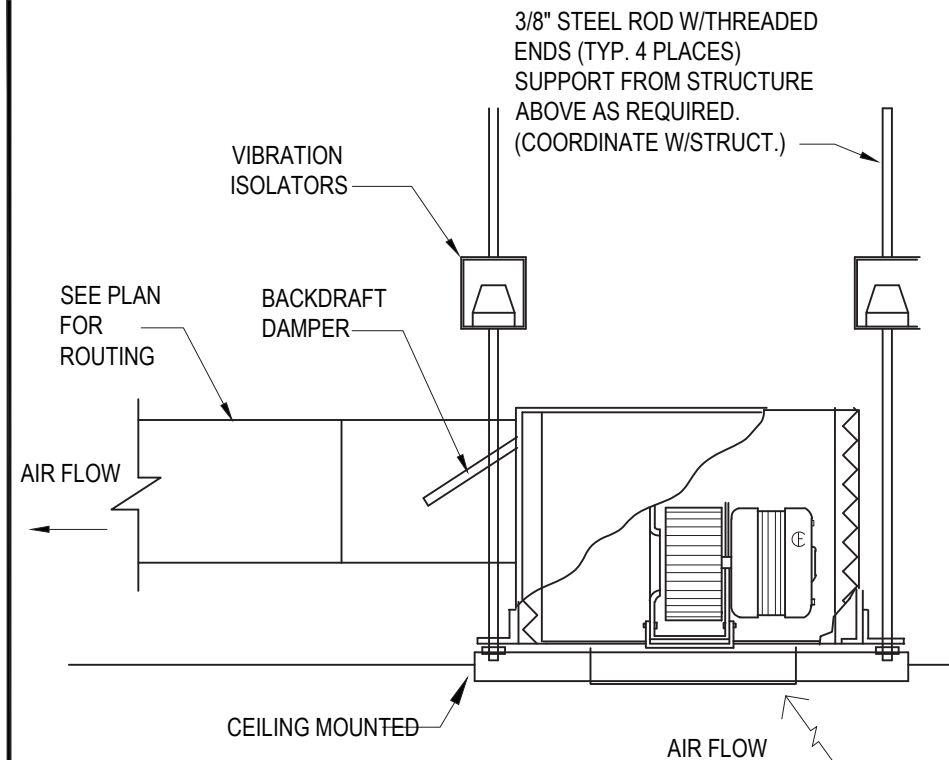
3 ANGLED REGISTER DETAIL
SCALE: NONE



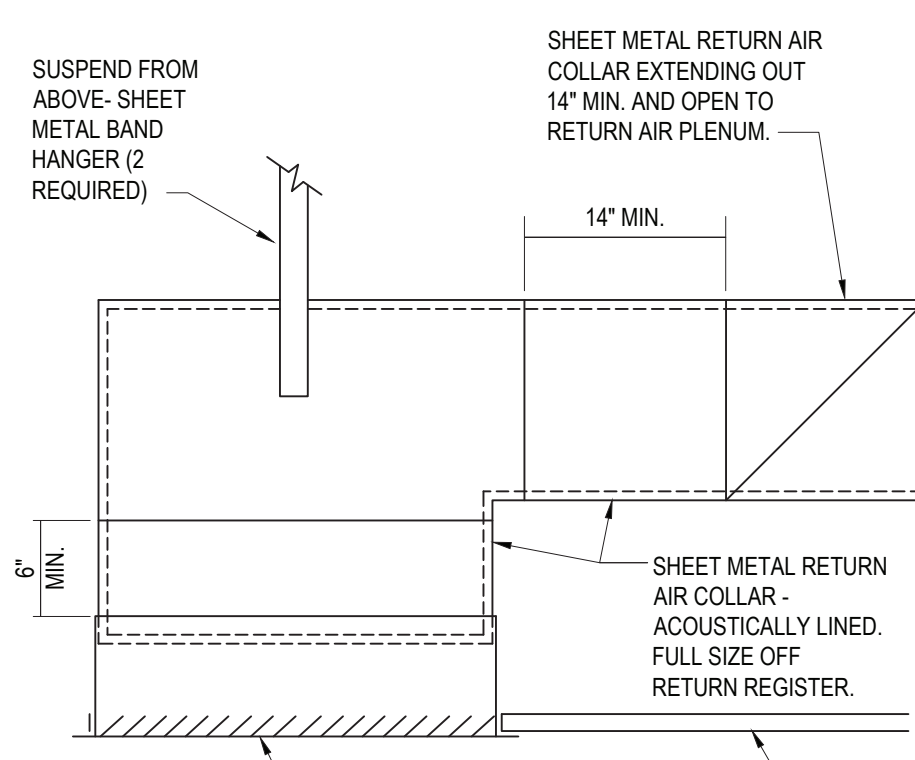
9 ROOF EQUIPMENT MOUNTING DETAIL
SCALE: NONE



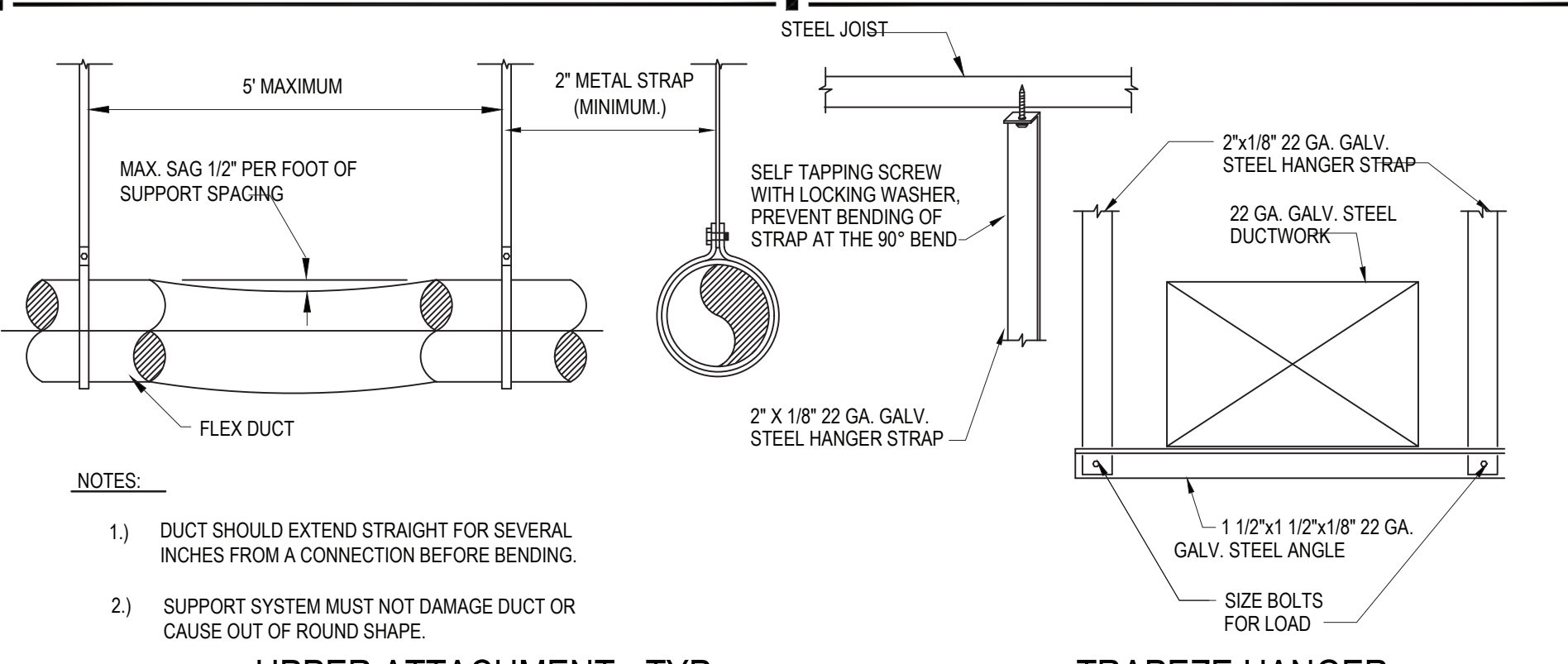
8 EXHAUST VENT THRU ROOF DETAIL
SCALE: NONE



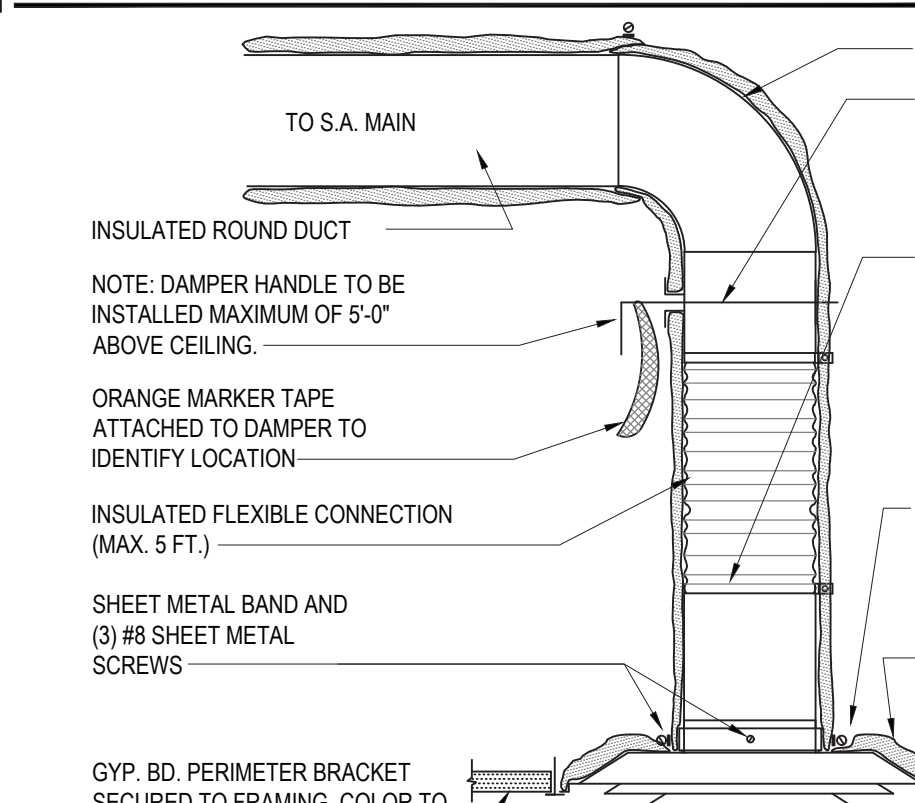
7 CABINET EXHAUST FAN DETAIL
SCALE: NONE



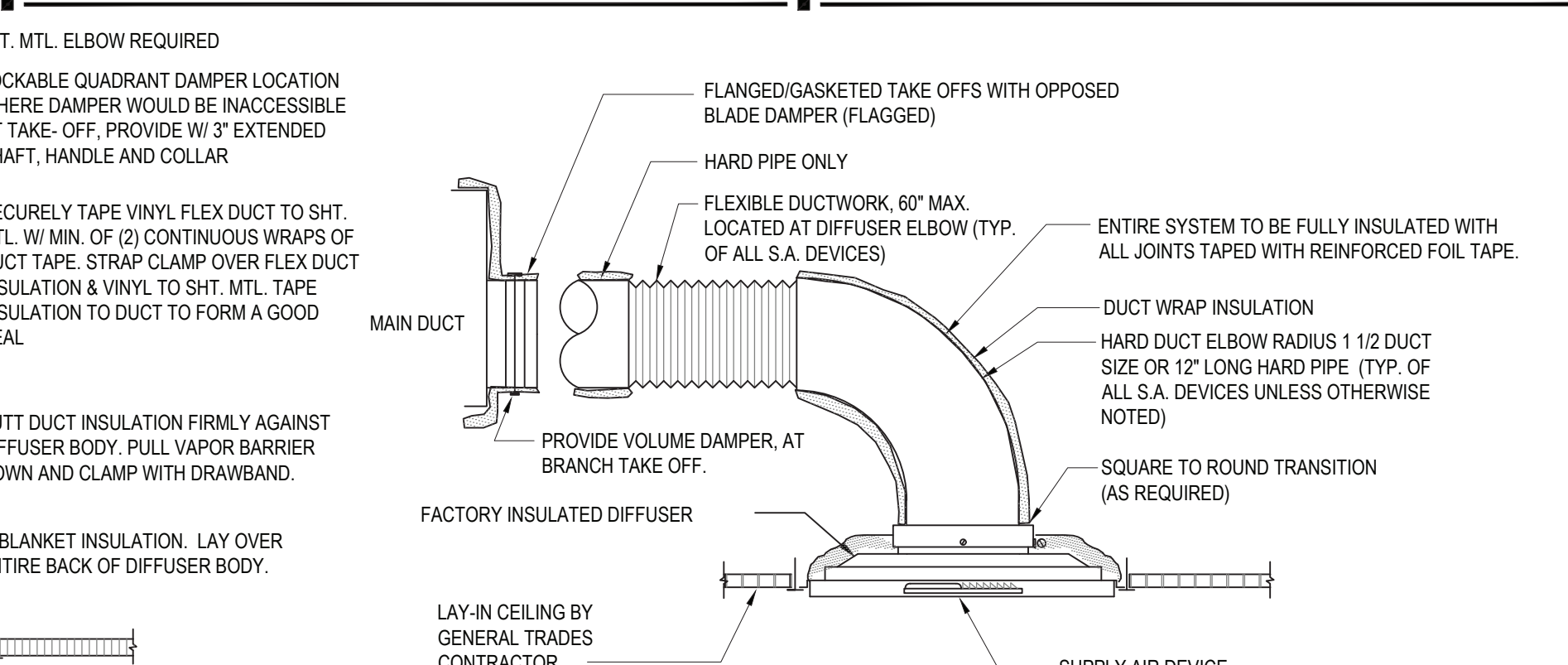
6 CEILING RETURN AIR GRILLE DETAIL
SCALE: NONE



11 DUCT HANGING DETAIL
SCALE: NONE



10 DIFFUSER CONNECTION DETAIL
SCALE: NONE



NOTE: INSTALLATION SIMILAR FOR GYP. BOARD CEILING

MOD

2035 158th CT NE
Suite 200
Bellevue, WA 98008

ARCHITECT OF RECORD
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AR0011595
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630.932.2336

ENGINEERING PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008
PROJECT NO. 2022.0067

CONSULTANT

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SEAL

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LICENSE
No 74752
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/23/01-30
16:13:06-0500

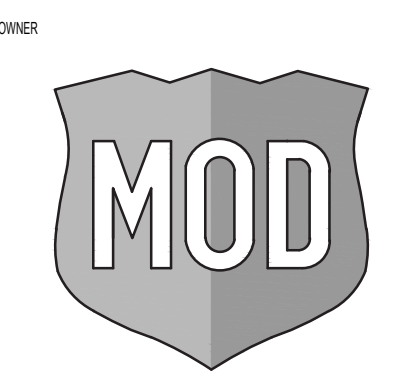
MOD LAKEWOOD RANCH NORTH
13220 SR 64 EAST, SUITE 104,
BRADENTON, FL 34212

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M-501
MECHANICAL DETAILS



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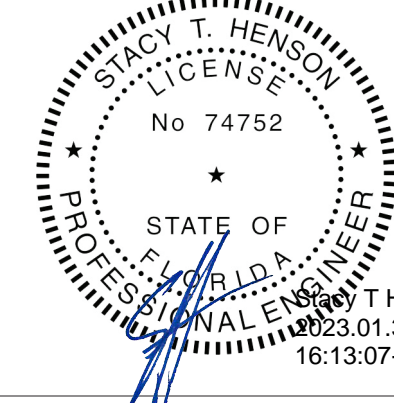
ARCHITECTURE
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Stacy T. Henson
16:13:07-0500

MOD LAKEWOOD RANCH NORTH
13220 SR 64 EAST, SUITE 104,
BRADENTON, FL 34212

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M-601
MECHANICAL SCHEDULES

CHECKED: DAK DRAWN: TP

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EXISTING PACKAGED ROOF TOP UNIT SCHEDULE

TAG	NEW OR EXISTING	SERVICE	MANUFACTURER/MODEL	SUPPLY AIR (CFM)	ESP (IN WC)	OUTSIDE AIR FLOW (CFM)	HEATING		COOLING TOTAL CAPACITY (MBH)	EFFICIENCY SEER/EER	ELECTRICAL			DIMENSIONS L" x W" x H"	WEIGHT (LBS)	NOTES
							INPUT CAPACITY (MBH)(KW)	OUTPUT CAPACITY (MBH)			MCA (AMPS)	MCCP (AMPS)	VOLTAGE/PHASE (V/Ø)			
(E)RTU-1&2	EXISTING	DINING/KITCHEN/RR	TRANE/THC060	2000	0.6	360	13.1 KW	-	60	15/-	56	60	208V/3Ø	-	946	1-2
(E)RTU-3&4	EXISTING	DINING/KITCHEN	CARRIER/50GC-P06A2M5-6 B4R0	2000	0.5	360	12 KW	-	63	16.10/11.96	53	60	208V/3Ø	-	764	1-2

NOTES:
1. PROVIDE NEW HONEYWELL VISION PRO 8000 7-DAY PROGRAMMABLE THERMOSTAT. INSTALL CONTROL THERMOSTATS IN MANAGER'S AREA IN BACK OF HOUSE WITH TEMPERATURE SENSOR/HUMIDITY SENSOR H7365A IN EACH ZONE.
2. RELOCATE EXISTING TSTAT.

NOTE:
ALL HVAC UNITS AND REQUIRE INTERLINKING FOR FAN SHUTDOWN UPON ACTIVATION OF SPRINKLER FLOW SWITCH OR GLOBAL ALARM. UNITS OVER 2000 CFM REQUIRE DUCT SMOKE DETECTION ON RETURN AND SUPPLY SIDE PER 2002 NFPA 90A. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE ALL REQUIREMENTS PRIOR TO BID.

NOTE:
G.C. SHALL VERIFY EXACT ELECTRICAL CONNECTIONS, WIRE SIZES, BREAKERS, DISCONNECT, ETC. PRIOR TO ORDERING. VERIFY ALL CONTROLS WITH HONEYWELL REP PRIOR TO ORDERING.

DIFFUSER, REGISTER, AND GRILLE SCHEDULE

TAG	MANUFACTURER / MODEL	TYPE	MATERIAL	FINISH	FACE SIZE	DUCT INLET	MOUNTING	PATTERN	DAMPERS
D1	TITUS 300RS	SUPPLY GRILLE	ST	NOTE 7	NOTE 2	NOTE 3	NOTE 4	FA	NOTE 8
D2	TITUS PCS	PERFORATED SUPPLY DIFFUSER	ST	NOTE 5	NOTE 1	-	NOTE 4	ADJ	NONE
D3	TITUS TDC-AA	LOUVERED FACE SUPPLY DIFFUSER	AL	NOTE 5	NOTE 1	-	NOTE 4	ADJ	NONE
G1	TITUS 350RL	RETURN GRILLE	ST	NOTE 5	NOTE 2	NOTE 3	NOTE 4	-	NONE
G2	TITUS PAR	PERFORATED RETURN GRILLE	ST	NOTE 5	NOTE 1	-	NOTE 4	ADJ	NONE

NOTES:
1. SEE DRAWINGS FOR FACE SIZE (24x24 OR 12x12). PROVIDE 24x24 FOR LAY IN CEILINGS.
2. FACE SIZE DETERMINED FROM DUCT INLET SIZE.
3. SEE AIR DEVICE TAG FOR DUCT INLET SIZE.
4. COORDINATE BORDER TYPE (SURFACE MOUNT, SNAP IN, LAY-IN, SPLINE, DROPPED FACE, AND BEVELED DROP FACE) WITH CEILING TYPE AS SHOWN IN ARCHITECTURAL CEILING PLANS.
5. PROVIDE COLOR TO MATCH CEILING FINISH.
6. SLOTTED DIFFUSER SHALL BE 5' LONG x 2 SLOTS.
7. WHEN INSTALLED WITH DUCTWORK PAINT GRILLE GRAY TO MATCH DUCTWORK. OTHERWISE PAINT TO MATCH PARTITION.
8. PROVIDE WITH OPPOSED BLADE DAMPERS.

ABBREVIATIONS:
ST = STEEL, AL = ALUMINUM, BE = BAKED ENAMEL, AA = ANODIZED ALUMINUM, FA = FULLY ADJUSTABLE, TP = TIVO POSITION, OPD = OPPOSED BLADE DAMPERS, ADJ = ADJUSTABLE, BA=BAKED ACRYLIC, BO = BLANK OFF, DB = DIRECTIONAL BLADES, AND P = PLENUM.

VENTILATION CALCULATIONS

ROOM NUMBER & NAME	AREA (SF)	# OF PEOPLE	REQ'D OA CFM/PERSON	REQ'D OA CFM/SF	ZONE EFFECTIVENESS	TOTAL OA
101 DINING ROOM	1222	66	7.5	0.18	0.8	894
102 PIZZA ENGINE	624	2	7.5	0.12	0.8	112
103 KITCHEN	295	2	7.5	0.12	0.8	63
REQUIRED OUTSIDE AIR						1069
PROVIDED OUTSIDE AIR						1440

NOTE:
1. ESTIMATED MAXIMUM OCCUPANCY AND REQUIRED OUTSIDE AIR IS BASED ON 2020 7TH EDITION FLORIDA MECHANICAL CODE.

AIR BALANCE SCHEDULE

MARK	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	EXHAUST
EF-1	-	-	-	-900
EF-2	-	-	-	-75
EF-3	-	-	-	-75
(E)RTU-1	2000	1640	360	-
(E)RTU-2	2000	1640	360	-
RTU-3	2000	1640	360	-
RTU-4	2000	1640	360	-
TOTAL	8000	6560	1440	-1050
BUILDING PRESSURE				390

FAN SCHEDULE

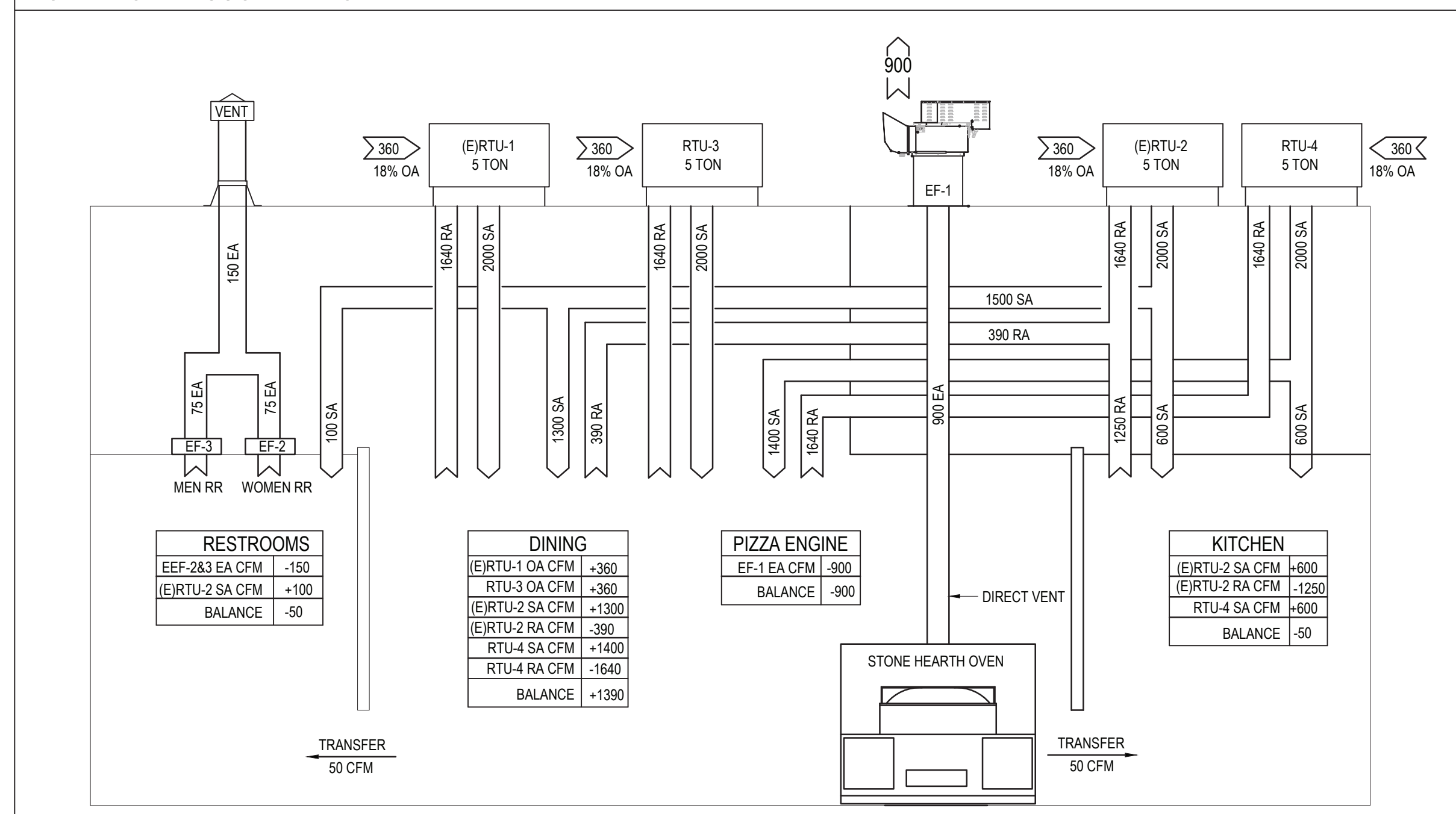
KEY: CENT.-CENTRIFUGAL; PROP.-PROPELLER; F.C.-FORWARD CURVE B.I.-BACKWARD INCLINED; A.F.-AIR FOIL

TAG	MODEL	TYPE	LOCATION	CFM	TOTAL E.S.P. (IN H ₂ O)	POWER HP	FAN RPM	DRIVE		DAMPER		ELECTRICAL DATA		WEIGHT W/CURB (LBS)	REMARKS	DESCRIPTION	
								ADJUST V-BELT	DIRECT	GRAVITY	MOTOR OPERATED	FLA	VOLTS				PHASE
EF-1	CAPTIVEAIRE CASRE138D	CENT.	ROOF	900	0.200	0.500	1149	X	-	-	-	7.6	115	1	276	A,B,C,D,E EXHAUST FOR PIZZA HOOD	
EF-2	COOK GC-146	DIRECT	CEILING	75	0.375	33.1W	900	-	X	X	-	-	120	1	12	F,G	WOMEN'S RR
EF-3	COOK GC-146	DIRECT	CEILING	75	0.375	33.1W	900	-	X	X	-	-	120	1	12	F,G	MEN'S RR

NOTES:
A. GREASE EXHAUST FAN AND ACCESSORIES TO BE FURNISHED THRU CAPTIVEAIRE, INSTALLED BY MECHANICAL CONTRACTOR.
B. PROVIDE WITH VENTED ROOF CURB, HINGED BASE CHAIN AND HASP KIT AND BUILT-IN GREASE TROUGH DRAIN FITTING.
C. PROVIDE DISCONNECT SWITCH.
D. PROVIDE WITH HOOD ON/OFF TOGGLE SWITCH.
E. PROVIDE PRE FABRICATED CURB FROM CAPTIVEAIRE.
F. RESTROOM EXHAUST DUCT SHALL BE GALVANIZED STEEL. PROVIDE RAIN CAP WITH INTEGRAL BIRD SCREEN, BACKDRAFT DAMPER, AND ACCESSORIES AS REQUIRED INCLUDING SPEED CONTROLLER CONCEALED AND ACCESSIBLE. EXHAUST FAN SHALL MAINTAIN 10' CLEARANCE FOR ANY OUTSIDE AIR INTAKE. ALL ROOF WORK SHALL BE DONE BY LANDLORD'S ROOFING CONTRACTOR AT TENANT'S EXPENSE UNLESS NOTED OTHERWISE.
G. PROVIDE RESTROOM EXHAUST FANS WITH PROGRAMMABLE TIMER TO OPERATE DURING BUSINESS HOURS.

NOTE:
EXHAUST FAN EF-1 FURNISHED WITHIN CAPTIVEAIRE SYSTEMS PACKAGE TO BE PROVIDED BY MECHANICAL CONTRACTOR THROUGH CAPTIVEAIRE SYSTEMS REGION 85 ONLY (JON CLARKE, 425-212-5966 EXT 2) AND INSTALLED BY MECHANICAL CONTRACTOR. SEE H-SERIES SHEETS FOR ADDITIONAL INFO.

BUILDING PRESSURE DIAGRAM



BUILDING BALANCE

RESTROOMS	-50
DINING	+1390
PIZZA ENGINE	-900
KITCHEN	-50
BALANCE	+390

2,600 SQFT/20 TON = 130 SQFT/TON

NOTE:
TYPE I HOODS SHALL BE DESIGNED AND INSTALLED TO AUTOMATICALLY ACTIVATE THE EXHAUST FAN WHENEVER COOKING OPERATIONS OCCUR. THE ACTIVATION OF THE EXHAUST FAN SHALL OCCUR THROUGH AN INTERLOCK WITH THE COOKING APPLIANCES, BY MEANS OF HEAT SENSORS OR BY MEANS OF OTHER APPROVED METHODS.

COMBUSTION AIR CALCULATION

MARK	QTY.	DESCRIPTION	TOTAL GAS (BTUH) PROPANE	REQUIRED COMBUSTION AIR (CFM)
E-108-SY	1	PIZZA OVEN	350,000	122.5
TOTAL CFM REQUIRED				122.5
TOTAL CFM PROVIDED				>300

NOTES:
1. REQUIRED COMBUSTION AIR PROVIDED BY MECHANICAL SYSTEM AT MINIMUM RATE OF .35 CFM PER 1000 BTUH.
2. COMBUSTION AIR PROVIDED THROUGH DILUTION OF OUTSIDE AIR THROUGH RTU's.

THERMOSTAT SCHEDULE

MARK	SERVICE LOCATION	OCCUPIED		UNOCCUPIED	
		COOLING	HEATING	COOLING	HEATING
(E)RTU-1	DINING	72	68	80	64
(E)RTU-2	DINING/KITCHEN/RR	72	68	80	64
RTU-3	DINING	72	68	80	64
RTU-4	DINING/KITCHEN	72	68	80	64

NOTES:
1. CONTRACTOR SHALL COORDINATE EXACT OPERATIONAL TIMES WITH OWNER/MANAGER PRIOR TO PROGRAMMING.
2. CONTRACTOR SHALL INTERLINK RESTROOM EXHAUST FAN WITH OCCUPANCY SENSOR.
3. CONTRACTOR MUST VERIFY THAT HUMIDITY CONTROLS AND SENSORS FUNCTIONS PER MANUFACTURERS SPECIFICATIONS. SET TO 50% RH IN THE SPACE.

CONTROL SEQUENCE OF OPERATIONS

- DAY CYCLE - COOLING**
- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
 - OUTSIDE AIR DAMPER SHALL BE IN MINIMUM POSITION.
 - THERMOSTAT SHALL CYCLE COMPRESSOR(S) TO MAINTAIN ROOM SET TEMPERATURE.
- DAY CYCLE - HEATING**
- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
 - OUTSIDE AIR DAMPER SHALL BE IN MINIMUM POSITION.
 - THERMOSTAT SHALL CYCLE ELECTRIC HEATER TO ACHIEVE ROOM SET TEMPERATURE.
- DAY CYCLE - DEHUMIDIFICATION (APPLIES TO UNITS WITH THIS OPTION)**
- SUPPLY AIR FANS SHALL RUN CONTINUOUSLY.
 - MECHANICAL OUTSIDE AIR DAMPERS SHALL BE IN OPEN POSITION.
 - RESTROOM EXHAUST FANS SHALL BE ENERGIZED.
 - HUMIDISTAT SHALL CYCLE COOLING COIL STAGES TO MAINTAIN SET POINT HUMIDITY.
- ECONOMIZER**
- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
 - OUTSIDE AIR DAMPER SHALL MODULATE FROM MINIMUM TO 100% OUTSIDE AIR TO MAINTAIN ROOM SET TEMPERATURE.
- MORNING WARM-UP**
- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
 - OUTSIDE AIR DAMPER SHALL BE IN CLOSED POSITION.
 - WHEN SET TEMPERATURE IS REACHED COOLING OR HEATING CYCLE SHALL COMMENCE.
- NIGHT SETBACK**
- OUTSIDE AIR DAMPER SHALL BE IN CLOSED POSITION.
 - THERMOSTAT SHALL CYCLE EITHER COOLING OR HEATING AND SUPPLY AIR FAN TO MAINTAIN ROOM SET TEMPERATURE.
- SMOKE DETECTOR**
- WHEN SMOKE DETECTOR IS ACTIVATED SUPPLY AIR FAN SHALL SHUTDOWN.
 - SUPPLY AIR FAN SHALL BE MANUALLY RESET.

FOR QUESTIONS, CALL THE
Seattle Office
REGION 85
PHONE: (425) 212-5996
EMAIL: reg85@captiveaire.com

FAN #1 CASRE13BD-DV - EXHAUST FAN (CF)

EXHAUST FAN INFORMATION - JOB#5420648

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	EF	1	CASRE13BD	CAPTIVEAIRE	900	0.200	1149	ODP	0.500	0.2050	1	115	7.6	939 FPM	247	9.7

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	EF	1	RE13BD - HIGH TEMPERATURE HEAT & SMOKE OPTION
		1	UTILITY SET GREASE CUP
		1	EXTRA SET OF BELTS
		1	FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	RE11/13 - RAIN CAP ASSEMBLY - INCLUDES HARDWARE AND GASKET
1		2	YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST				SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT	
1	EF	YES							

CURB ASSEMBLIES

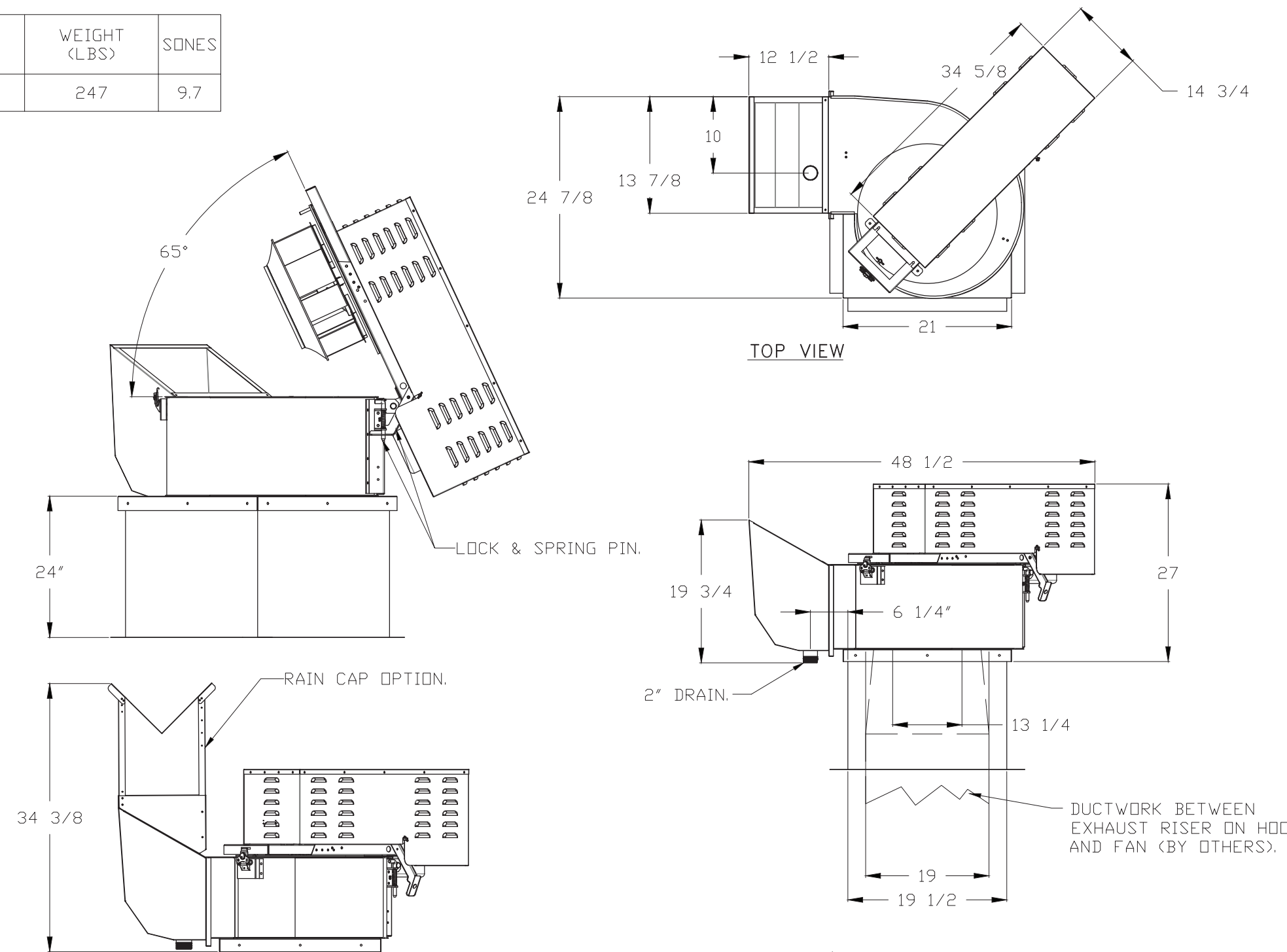
NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	EF	30 LBS	CURB	19.500"W X 19.500"L X 24.000"H ALONG LENGTH, RIGHT VENTED.

PROCUREMENT

- OVEN VENT SYSTEM TO BE PROCURED BY CONTRACTOR ONLY FROM CAPTIVE AIRE SYSTEMS REGION 85, 425-212-5996, REG85@CAPTIVEAIRE.COM, NO SUBSTITUTIONS PERMITTED.
- CONTRACTOR TO MEASURE DUCTING IMMEDIATELY AFTER OVEN INSTALLATION AND PROMPTLY PROVIDE INFORMATION TO CAPTIVE AIRE SYSTEMS FOR FABRICATION.
- FABRICATION AND DELIVERY TAKE FOUR (4) WEEKS MINIMUM INCORPORATE INTO CONSTRUCTION SCHEDULE ACCORDINGLY

ELECTRICAL

- CONTRACTOR TO PROVIDE AND INSTALL TOGGLE SWITCH TO CONTROL OPERATION OF EXHAUST FAN
- SDV COMPLETION IS REQUIRED PRIOR TO OVEN BEING OPERATED



FEATURES:

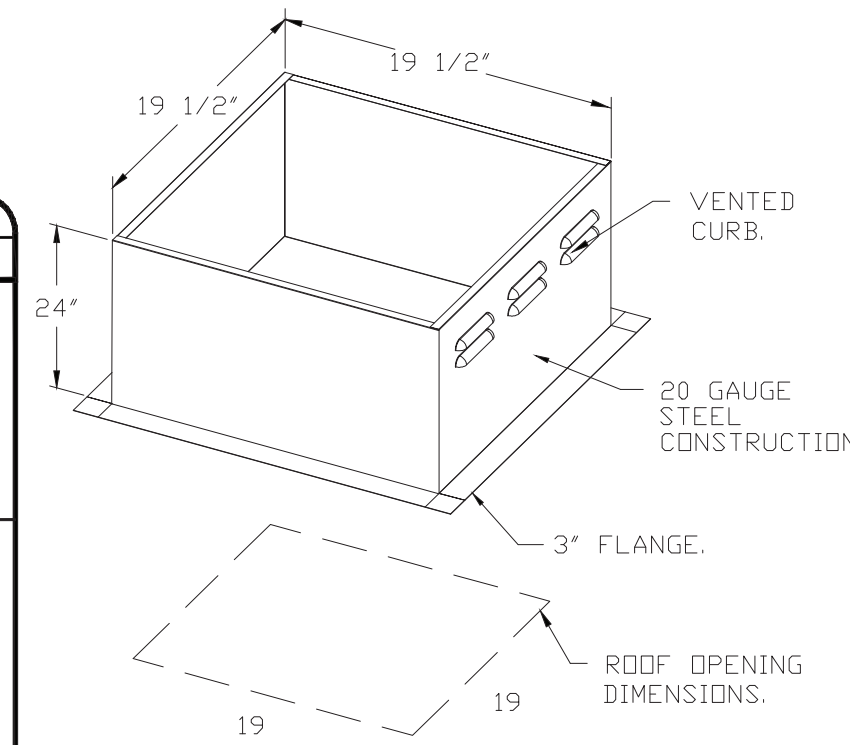
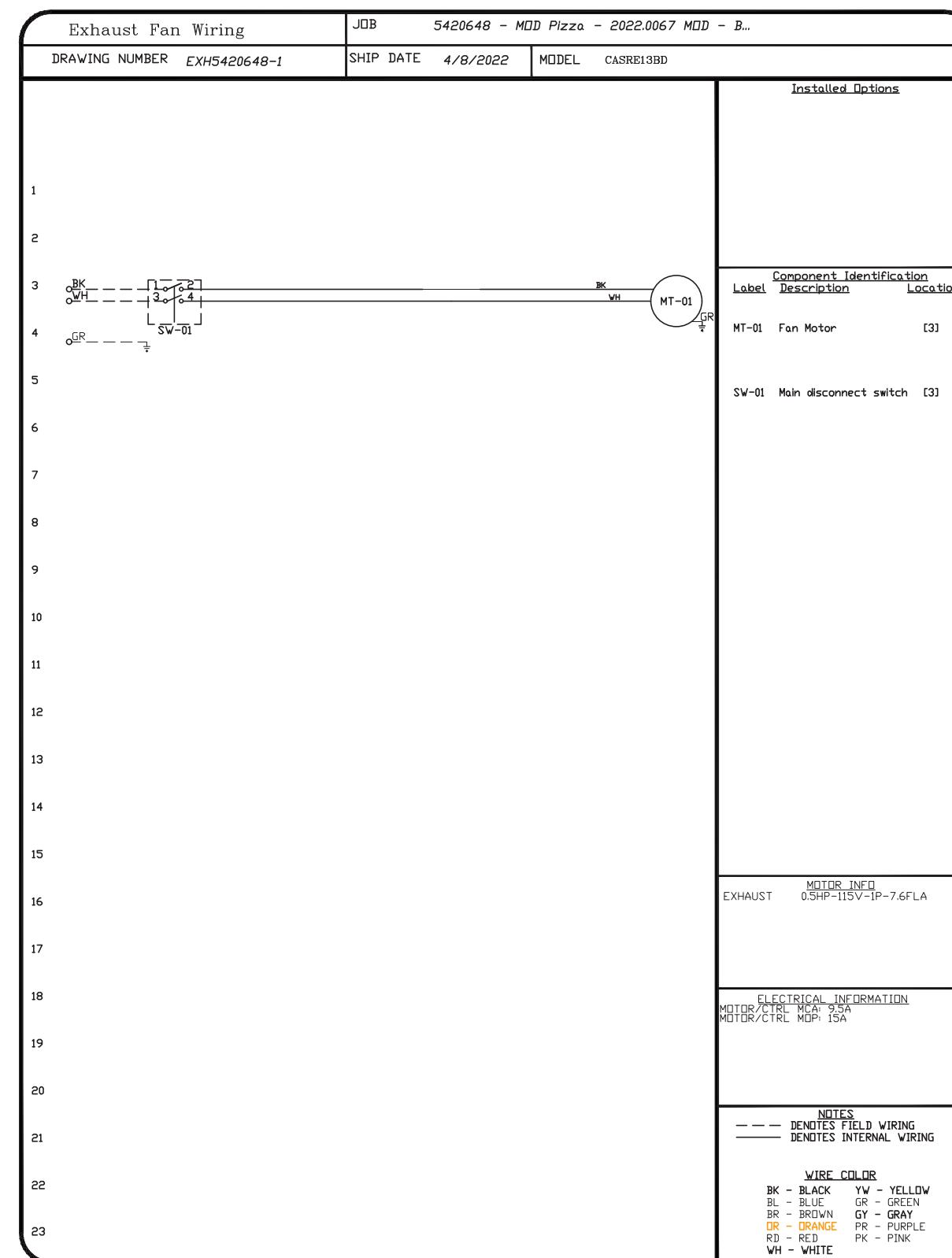
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL762 AND UL-C-S645.
- HIGH HEAT OPERATION BELT DRIVE 500°F (260°C).
- HEAT SLINGER.
- GREASE CLASSIFICATION TESTING.
- TILT OUT WHEEL.
- LOCKING PIN FOR POWER PACK.
- MOTOR WEATHER COVER.
- INTERLOCKED DISCONNECT SWITCH.
- NEMA 4X SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST BELT DRIVE
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 500°F (260°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST BELT & DIRECT DRIVE
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

RE13BD - HIGH TEMPERATURE HEAT & SMOKE OPTION - 572°F CONTINUOUS.
UTILITY SET GREASE CUP.
EXTRA SET OF BELTS.
FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
RE11/13 - RAIN CAP ASSEMBLY - INCLUDES HARDWARE AND GASKET.
2 YEAR PARTS WARRANTY.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.

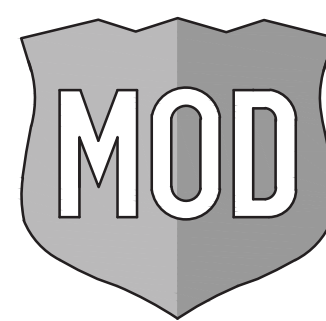
ROOF / CURB

- ROOF OPENING BY CONTRACTOR
- ROOF MEMBRANE PATCH AND REPAIR AS DEFINED ON ARCHITECTURAL DRAWINGS
- IF ROOF IS PITCHED, CONTRACTOR TO CONFIRM PITCH OF CURB REQUIRED. THIS NEEDS TO BE PROVIDED TO CAPTIVEAIRE PRIOR TO FABRICATION OF MATERIAL

REVISIONS

DESCRIPTION	DATE

CAPTIVEAIRE
Seattle Office
1309 Pacific Ave, Everett, WA, 98201 PHONE: (425) 212-5998 FAX: (425) 212-5996 EMAIL: reg85@captiveaire.com



2035 158th CT NE
Suite 200
Bellevue, WA 98008

INTERPLAN
INTERPLAN LLC
AR0011595
CA 8660

ARCHITECTURE
1 SOUTH 280 SUMMIT AVE, STE D
OAKBROOK TERRACE, IL 60181
630.932.2336

ENGINEERING PERMITTING
220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.0068
PROJECT NO. 2022.0067

FOR INFORMATION ONLY

MOD LAKEWOOD RANCH NORTH
13220 SR 64 EAST, SUITE 104,
BRADENTON, FL 34212

MOD Pizza - 2022.0067 MOD - Bradenton, FL
13020 SR 64 E. Unit 304,
Bradenton, FL, 34212

DATE: 4/8/2022
DWG.#: 5420648
DRAWN BY: JDC-85
SCALE: 3/4" = 1'-0"
MASTER DRAWING

PERMIT SET 05.20.22
SHEET NO. 1

ISSUED / REVISED	DATE
△ BUILDING COMMENTS	06.22.22
△ BUILDING COMMENTS	07.18.22
△ ISSUED FOR BID	07.21.22
△ VARIANCE CHANGES	11.09.22
△ RCP DETAILS	11.16.22
△ PERMIT COMMENTS	12.15.22
△ PERMIT COMMENTS	01.24.23
△ ELECTRICAL REVISIONS	01.27.23

MOD CD TEMPLATE V2.3 ISSUED 04.05.2022

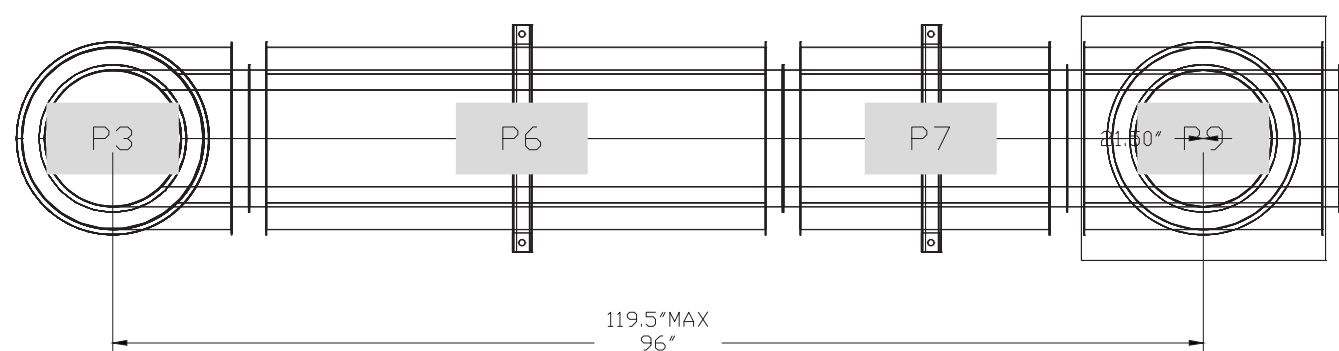


DUCTWORK #1 PARTS - JOB#5420648 DOUBLE WALL

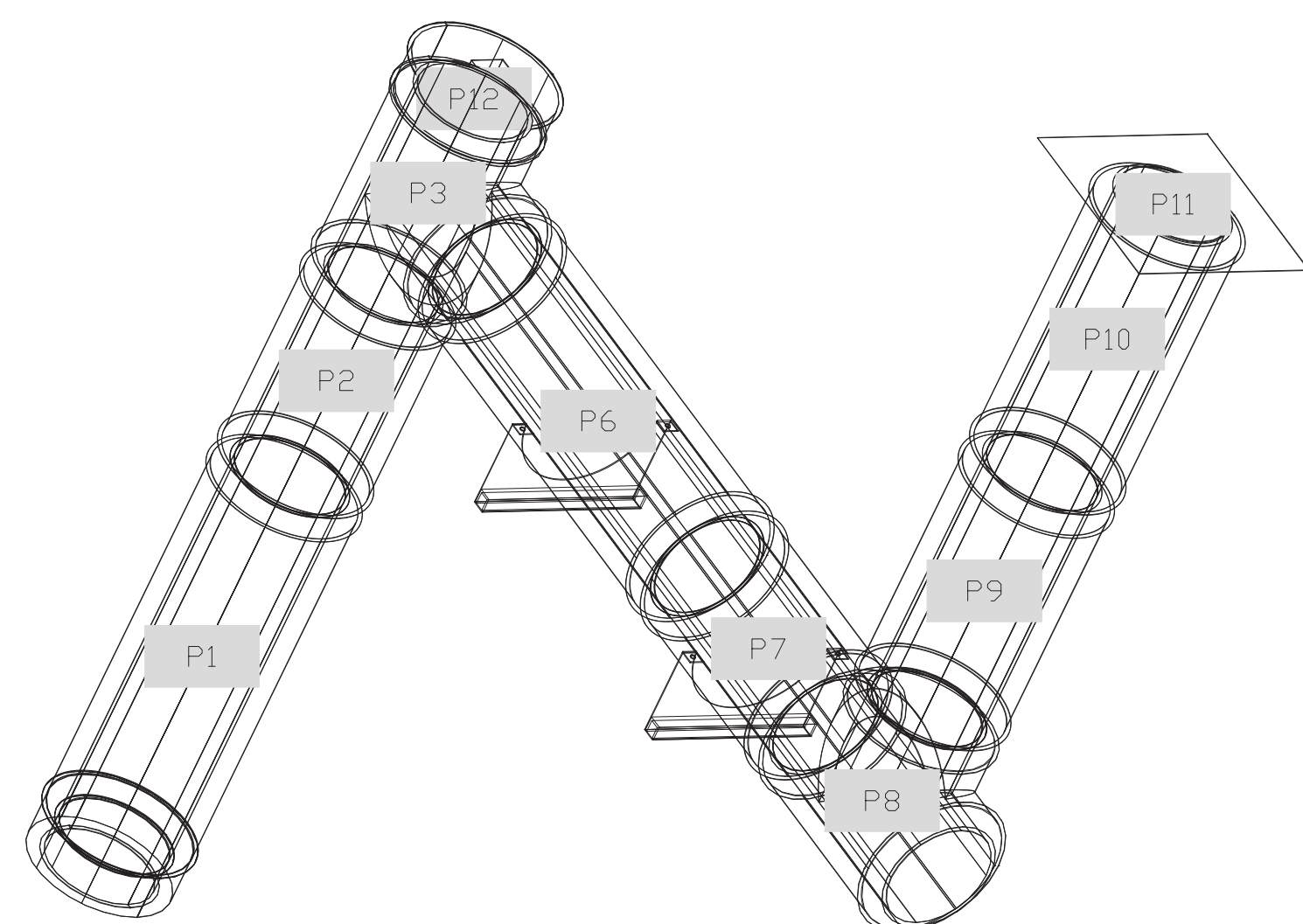
TAG	PART #	CFM	GPM	ZONE	COVEREDBY	SP	WEIGHT	VELOCITY	QTY	DESCRIPTION
P1	DW1247DWLT-2R-S						54.71		1	DOUBLE WALL DUCT - 12" INNER DUCT, 47' LONG - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.
P2	DW1247DWAJD-2R-S						83.19		1	DOUBLE WALL ADJUSTABLE DUCT - 12" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11' / MAX LENGTH = 48.5' / ADJUSTMENT = 30.5' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P3 ASSEMBLED W/P12	DW12DWTEASY-2R-S			1			34.13		1	DOUBLE WALL DUCT - 12" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.
P4	DW1247DWLT-2R-S						54.71		1	DOUBLE WALL DUCT - 12" INNER DUCT, 47' LONG - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.
P5	DW1247DWAJD-2R-S						83.19		1	DOUBLE WALL ADJUSTABLE DUCT - 12" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11' / MAX LENGTH = 48.5' / ADJUSTMENT = 30.5' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P6	DW1620SADKIT						6.53		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 16" DD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1620SAD, & HARDWARE BAG 4.
P7	DW1620SADKIT						6.53		1	DUCT - HORIZONTAL SADDLE SUPPORT KIT, USED WITH 16" DD - INCLUDES UNI-STRUT CUT TO LENGTH, DW1620SAD, & HARDWARE BAG 4.
P8	DW12DWTEASY-2R-S			1			34.13		1	DOUBLE WALL DUCT - 12" INNER TEE DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.
P9	DW1247DWAJD-2R-S						83.19		1	DOUBLE WALL ADJUSTABLE DUCT - 12" INNER DUCT - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL. MIN LENGTH = 11' / MAX LENGTH = 48.5' / ADJUSTMENT = 30.5' / ADJUSTABLE SECTION MAY NEED TO BE CUT. INCLUDES SINGLE AND DOUBLE WALL "V" CLAMPS.
P10 ASSEMBLED W/P11	DW1235DWLTP-2R-S						42.19		1	DOUBLE WALL DUCT - 12" INNER DUCT, 35' LONG - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL - USED WITH TRANSITION PLATE.
P11 ASSEMBLED W/P10	DW1912TP						6.27		1	DUCT TO CURB TRANSITION, 19-1/2" CURB TO 12" DUCT, 16 GA ALUMINIZED STEEL. USED ON BDU11, DU25, 30 & 33.
P12 ASSEMBLED W/P3 & P8	DW12DWCCDDORCOV-2R-S						18.57		1	DOUBLE WALL DUCT - 12" INNER ACCESS DOOR & 16" ACCESS DOOR COVER WITH CLAMPS - 2 LAYERS REDUCED CLEARANCE - 16" STAINLESS STEEL OUTER SHELL.
	3M-2000PLUS						0.80		2	DUCT - 3M FIRE BARRIER 2000 PLUS SILICONE - USED AS SEALANT TO SEAL DUCT JOINTS.
	DW12DWCLASY-2R-S						6.44		2	DUCT - 12" DUCT - 16" DOUBLE "V" CLAMP - 2R INSULATION & SINGLE "V" CLAMP INCLUDED - REDUCED CLEARANCE.
TOTAL WEIGHT							521.82			

DO NOT LEAK TEST USING SMOKE BOMBS CONTAINING CHLORINES/CHLORIDES. CONSULT WITH CAPTIVEAIRE FOR PROPER LEAK TESTING METHODS.

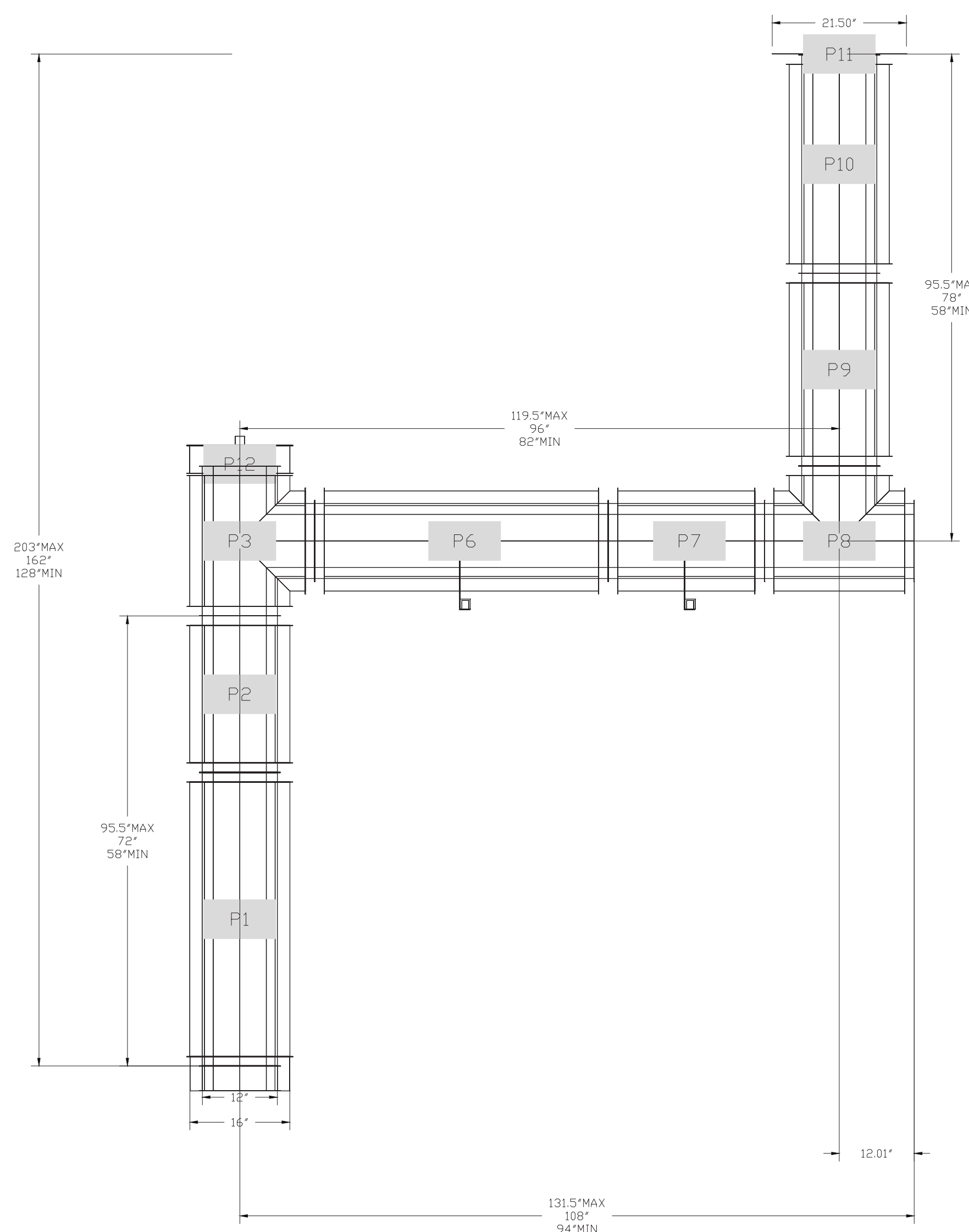
DUCTWORK #1 TOP VIEW



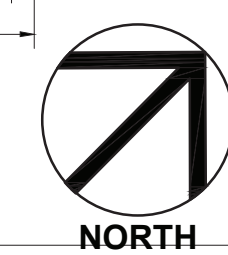
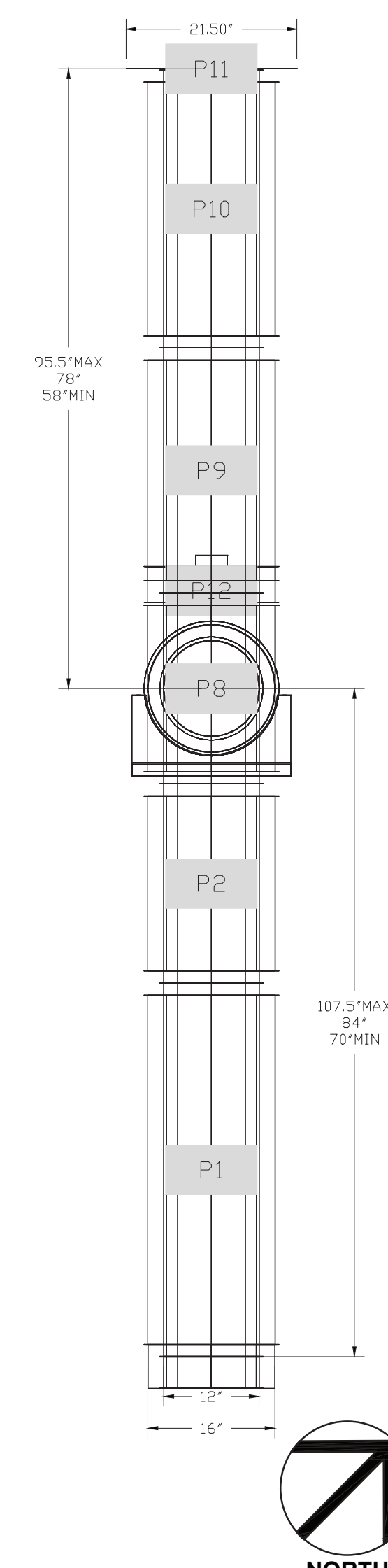
DUCTWORK #1 SE VIEW



DUCTWORK #1 FRONT VIEW



DUCTWORK #1 SIDE VIEW



DOUBLE WALL DUCTING CONFORMS TO NFPA-96 REQUIREMENTS AND COMPLIES WITH UL1978 and UL2221. ETL LISTED UNDER FILE NUMBER 1000082319SAT-006 EEV

REVISIONS

NO.	DESCRIPTION	DATE

CAPTIVEAIRE
Seattle Office
1309 Pacific Ave, Everett, WA, 98201 PHONE: (425) 212-5998 FAX: (425) 212-5998 EMAIL: reg85@captiveaire.com

MOD Pizza - 2022.0067 MOD - Bradenton, FL
13020 SR 64 E. Unit 304,
Bradenton, FL, 34212

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SHEET NO. 2

MOD

2035 158th CT NE
Suite 200
Bellevue, WA 98008

ARCHITECT OF RECORD
INTERPLAN
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CA 8660

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ALTAMONTE SPRINGS, FL 32701
407.645.5008
PROJECT NO. 2022.0067

FOR INFORMATION ONLY

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13220 SR 64 EAST, SUITE 104,
BRADENTON, FL 34212

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 △ PERMIT COMMENTS 01.24.23
 △ ELECTRICAL REVISIONS 01.27.23

MOD CD TEMPLATE V2.3 ISSUED 04.05.2022

PERMIT SET 05.20.22

H-002
HOOD DRAWINGS

CHECKED: DAK DRAWN: TP